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Lake Huron Commercial Fishing Summary for 2000

Upper Great Lakes Management Unit
Lake Huron
Report 02-2001

Ontario
Ministry of Natural Resources
Ministère des Richesses naturelles

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Lake Huron
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Ontario Ministry of Natural Resources
Upper Great Lakes Management Unit
Lake Huron

MNR # 51518
ISBN 0-7794-1286-9

2001, Queen's Printer for Ontario
Printed in Ontario, Canada

Additional copies of this publication are available at a cost of twenty dollars each plus g.s.t. from the address noted below:

Upper Great Lakes Management Unit - Lake Huron
Ministry of Natural Resources
1450 Seventh Avenue East
Owen Sound, Ontario
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INTRODUCTION

Summarization of commercial fishing information from Lake Huron is done annually by staff of the Upper Great Lakes Management Unit. This information is used in the assessment of the status of commercial fish populations in the lake which subsequently forms the basis for revisions of catch quotas incorporated in commercial fishing licences. Commercial quotas have been in effect since 1984, being the means by which harvest by licenced commercial fisheries is limited. This report is a new document which contains annual Lake Huron commercial fish harvest, quota, effort, and catch statistics for the period 1983 to 2000 as well as a record of the quotas issued from 1984 onward. The previous series of reports entitled "Status and Outlook for the Major Commercial Fish Species of Lake Huron" is not planned to be produced in 2001 or future years in the previous format. This new report will continue presenting basic commercial fishery information for Lake Huron. Additional information on fish population status is available for review at the Upper Great Lakes Management Unit office in Owen Sound.

The fundamental unit of organization within this report is the quota management area (QMA)(Figure 1). Each quota management area section contains 2000 data for quota, harvest, and estimated landed value, by species. Each section also contains species sub-sections presenting reported harvest, catch and effort data, and Catch Per Unit of Effort (CPUE). Should a management area contain more than one assessment area, there may be a further breakdown of data by these subdivisions. Some comments are also provided which describe the data being presented. Unless otherwise stated, any changes reported in quantities in this document refer to the change from 1999 to 2000. Information presented in this report may also include corrections to errors in previous years' reports.

Since 1990, there have been two major changes in reporting which had the potential to increase the quality of assessment information. A new Daily Catch Report (DCR) form and reporting procedure was introduced in southern Lake Huron in 1989, extended to central Lake Huron in 1992, and then implemented lake-wide beginning in 1994. This new system required daily reporting of commercial fishing events which improved the quality of reporting and made more detailed data analysis possible in most management areas. However, the changes in the reporting of fishing effort could have some effect on CPUE calculations in certain areas. A second major change began in 1990 when commercial fishermen began to report the weight of non-quota fish captured in their fishing gear. This gave assessment biologists a better insight into the total catch of the commercial fishing fleet.

Several terms are used throughout this document to describe the commercial fishery. The term "quota" in this report refers to the total allowable commercial harvest within each QMA in 2000. This is the total of the quotas specified on issued commercial fishing licences, allowed harvests in other commercial fishing agreements, and any Crown held quota that was considered available to be harvested within a quota management area, basin or the entire lake. One exception is for lake trout. The lake trout "quota" in the quota, harvest, percent quota taken, catch and estimated value by species tables includes lake trout quota plus any temporary lake trout allowance. If there is a separate lake trout page presented for a management area, the quota in the graph and table is the quota without lake trout allowance and the amount of each is noted in the text. Beginning in 1998 a new temporary lake whitefish allowance was available to commercial fishing licences and agreements in Georgian Bay (quota management areas 5-1 through 5-9). Lake whitefish allowance is presented in the report in the same way as lake trout allowance. A number of fish species in specific areas of the lake are available to commercial fishing licences in unlimited quantities and are known as unlimited quota species.

The term "harvest" is used in this report to refer to the weight of all fish caught that are landed, sold, or

taken home and subsequently reconciled with the quota. This information is derived from the commercial fishers' Daily Catch Reports and from records of fish purchases by wholesalers. The term "catch" includes harvest and any fish that are reported released alive or discarded. The term "targeted" refers to data that are specific to fishing effort directed at a single species. It is the targeted catch and targeted effort values that are used in the calculation of catch per unit of effort (CPUE). Where targeted effort is not available for this calculation, tables or figures indicate "Not Available" or "na". In tables reporting CPUE, the "percent taken" value is the known targeted catch as a percent of the quota.

Discarding of portions of catches is a practice that has taken on new meaning since the introduction of quotas. Discarding has been largely confined to chub and was previously normally limited to the part of the catch that failed to meet quality standards. Beginning about 1985, discarding came to include varying portions of the catch which were of lower market value. The increasing amounts of fish involved have biased fishery statistics. An effort has been made to correct for this bias, as is seen in some graphs and tables where the retained and discarded portions of the catch are shown separately. A more acceptable discarding practice is the release of live fish, most often from trap nets, but also occasionally possible from gill nets. This discard information is also included in specific graphs and tables wherever data were available.

Lake trout are currently under rehabilitation in Lake Huron and a policy to deal with lake trout caught in excess of quota was implemented in 1994. This was done to encourage more complete reporting of incidentally caught lake trout and discourage discarding. A lake trout allowance was made available on commercial fishing licences in quota management areas where one or more licences reported lake trout catch in excess of quota in 1993. Lake trout in this category could be marketed through usual commercial channels with no penalty. In addition, all lake trout caught in excess of quota plus allowance could be marketed through usual commercial channels with a handling fee retained by the licensee and the remainder of the sale price remitted to the Crown. The temporary allowance is treated differently than quota administratively, in that the allowance cannot be leased or sold by itself but is present only in association with whitefish quota. If whitefish quota is leased or sold between licences, an associated amount of lake trout allowance is transferred along with it. Lake trout allowances in 2000 were unchanged from 1999 amounts.

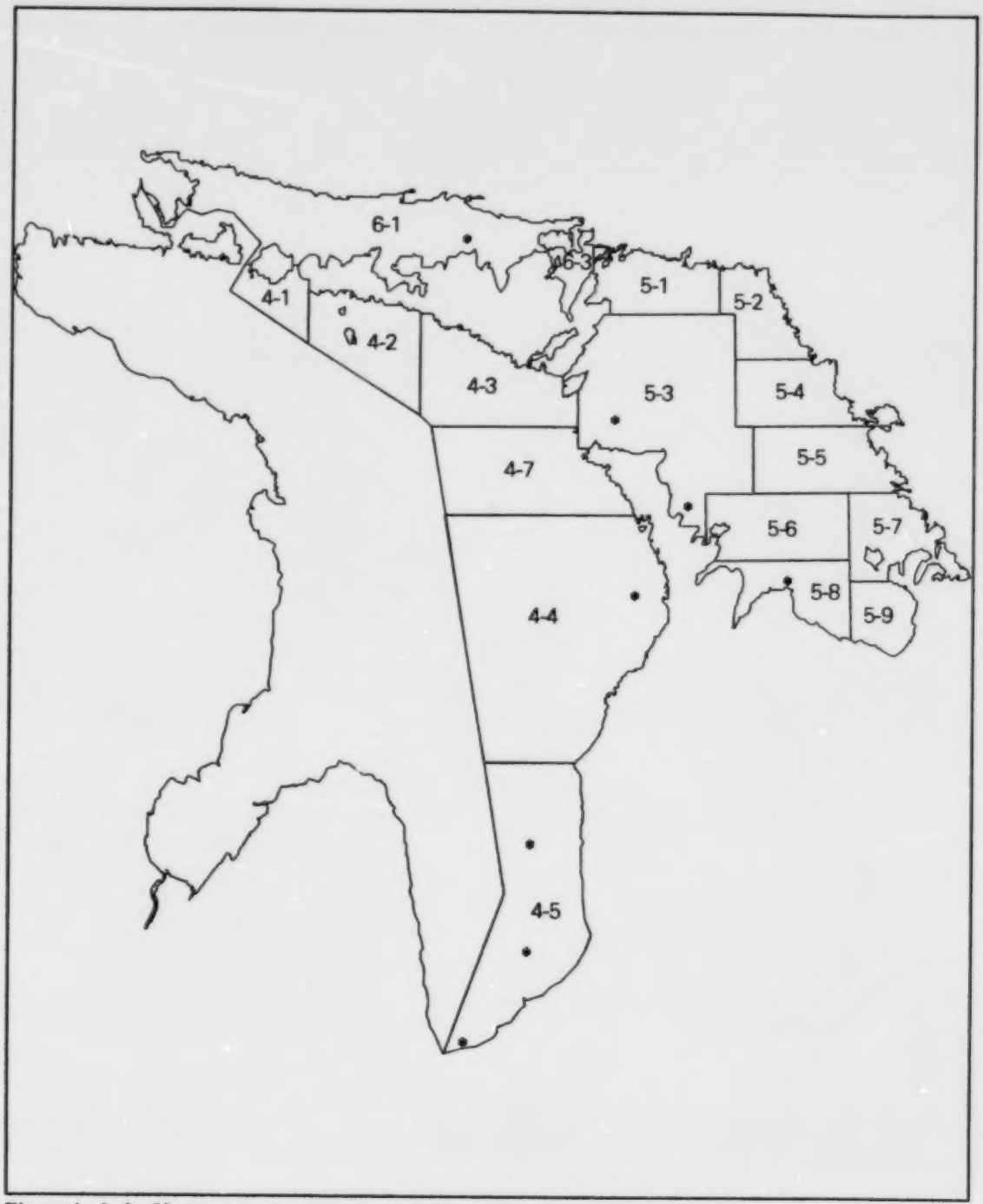


Figure 1. Lake Huron management areas. Index netting sites indicated by an asterisk.

INTRODUCTION

LAKE HURON

GENERAL

- Total quota (including lake trout and lake whitefish allowance) issued on commercial fishing licences and other commercial allocations in all of Lake Huron amounted to 4,419,405 kg in 2000 (Table 1).
- Harvest of all fish species under quota control was 3,365,613 kg. Estimated value of the harvest of species under quota control decreased to $9,290,525.
- Total harvest and estimated value of all fish species was 3,426,462 kg and $9,326,758, respectively (Table 1). An additional 132,433 kg of fish of no commercial value was reported caught.

Table 1. Quota, harvest, percent quota taken, catch, and estimated value by species for all three basins of Lake Huron in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	63,713	11,003	17.3	11,054	12,113
Chub	911,297	136,004	14.9	136,911	423,830
Lake Sturgeon	11,801	5,661	48.0	9,419	34,525
Lake Trout	108,413	196,473	181.2	243,783	255,211
Lake Whitefish	2,936,210	2,784,598	94.8	2,799,164	7,266,542
Northern Pike	14,563	1,206	8.3	1,263	2,229
Walleye	147,036	90,431	61.5	93,640	402,235
Yellow Perch	226,372	140,237	62.0	140,633	893,940
Sub-Total	4,419,405	3,365,613		3,435,867	9,290,625
Alewife		0		5	0
Atlantic Salmon		0		7	0
Bigmouth Buffalo		37		37	0
Brown Bullhead		8		8	0
Brown Trout		2		11	0
Burbot		160		17,841	0
Chinook Salmon		639		1,558	0
Coho Salmon		39		40	0
Common Carp		446		2,007	207
Crappies		0		2	0
Freshwater Drum		23,030		23,098	10,156
Gizzard Shad		420		6,452	0
Lake Herring		16,153		18,058	14,745
Longnose Gar		0		30	0
Longnose Sucker		0		2	0
Muskellunge		0		83	0
Pacific Salmon		0		46	0
Pink Salmon		359		364	0
Rainbow Smelt		9		48	0
Rainbow Trout		77		254	0
Redhorse Suckers		4,384		4,384	0
Rock Bass		54		224	0
Round Whitefish		14,266		15,966	10,086
Shorthead Redhorse		0		27	0
Smallmouth Bass		17		308	0
Suckers		137		31,552	0
Sunfish		5		5	0
White Bass		508		512	839
White Perch		91		91	100
Other/Mixed		8		8	0
Total	4,419,405	3,426,462		3,558,895	9,326,758

LAKE HURON MAIN BASIN

GENERAL

- Total quota (including lake trout allowance) issued on commercial fishing licences and other allocations in the Lake Huron main basin was 3,059,551 kg (Table 4.1).
- Harvest of all fish species under quota control decreased to 2,421,080 kg. Estimated value of the harvest of species under quota control decreased to $6,898,653.
- Total harvest and estimated value of all fish species was 2,451,935 kg and $6,911,822, respectively (Table 4.1). An additional 66,887 kg of fish of no commercial value was reported caught.

Table 4.1. Quota, harvest, percent quota taken, catch, and estimated value by species for Lake Huron main basin in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	55,577	11,000	19.8	11,034	12,113
Chub	506,827	46,255	9.1	47,053	146,820
Lake Sturgeon	4,958	3,825	77.1	4,518	24,110
Lake Trout	68,679	100,259	146.0	135,700	161,978
Lake Whitefish	2,139,367	2,055,170	96.1	2,066,483	5,357,190
Northern Pike	1,514	49	3.2	49	11
Walleye	126,306	76,031	60.2	78,375	346,901
Yellow Perch	156,323	128,491	82.2	128,494	849,530
Sub-Total	3,059,551	2,421,080		2,471,706	6,898,653
Alewife		0		2	0
Atlantic Salmon		0		7	0
Bigmouth Buffalo		37		37	0
Brown Bullhead		8		8	0
Burbot		0		5,548	0
Chinook Salmon		39		113	0
Common Carp		195		649	74
Crappies		0		2	0
Freshwater Drum		23,030		23,098	10,156
Gizzard Shad		420		6,426	0
Lake Herring		1,907		1,914	1,850
Longnose Gar		0		1	0
Longnose Sucker		0		2	0
Muskellunge		0		62	0
Pacific Salmon		0		27	0
Pink Salmon		4		4	0
Rainbow Smelt		0		14	0
Rainbow Trout		18		59	0
Redhorse Suckers		4,384		4,384	0
Rock Bass		54		54	0
Round Whitefish		146		161	150
Smallmouth Bass		0		250	0
Suckers		1		3,682	0
Sunfish		5		5	0
White Bass		508		508	839
White Perch		91		91	100
Other/Mixed		8		8	0
Total	3,059,551	2,451,935		2,518,822	6,911,822

MANAGEMENT AREA 4-1

GENERAL

- Quota issued on commercial fish licences was 124,128 kg, including a lake trout allowance of 6,133 kg (Table 4-1.1).
- Harvest of all fish species under quota control decreased slightly to 100,614 kg. Lake whitefish and lake trout made up almost all of the commercial fish harvest in this management area. Estimated value of the harvest of species under quota control increased to $235,269.
- Harvest and estimated value of all fish species sold was 100,697 kg and $235,349, respectively (Table 4-1.1). An additional 7,997 kg of fish of no commercial value was reported caught.

Table 4-1.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 4-1 in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	1,287	0	0.0	1	0
Chub	18,267	48	0.3	71	150
Lake Sturgeon	203	24	11.8	24	147
Lake Trout	9,017	6,707	74.4	12,986	9,463
Lake Whitefish	94,785	93,818	99.0	94,506	225,445
Northern Pike	0	0	0.0	0	0
Walleye	519	17	3.3	17	64
Yellow Perch	50	0	0.0	0	0
Sub-Total	124,128	100,614		107,605	235,269
Alewife		0		2	0
Burbot		0		751	0
Chinook Salmon		0		63	0
Lake Herring		83		88	80
Longnose Sucker		0		2	0
Rainbow Smelt		0		14	0
Round Whitefish		0		6	0
Suckers		0		163	0
Total	124,128	100,697		108,694	235,349

LAKE WHITEFISH

- Quota issued was 94,785 kg.
- The harvest decreased to 93,818 kg, 99% of the quota (Figure 4-1.1).
- Trap nets produced about 4% of the total harvest in 2000.

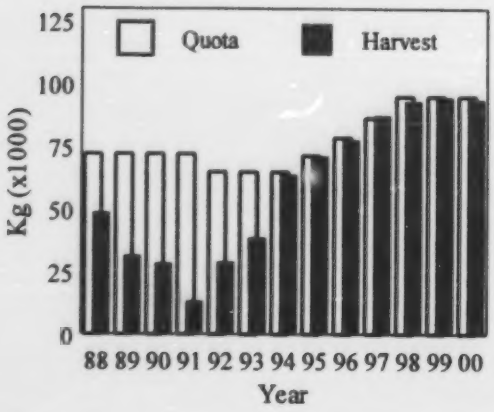


Figure 4-1.1. Lake whitefish quota and harvest (kg) for management area 4-1.

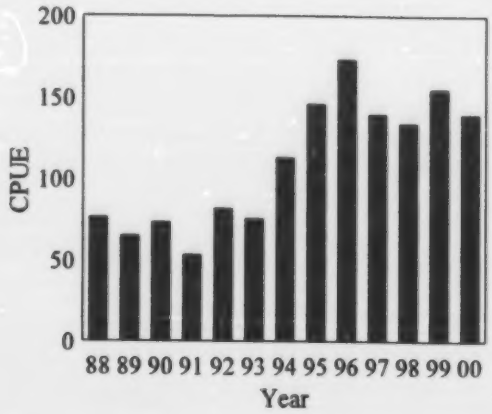


Figure 4-1.2. Lake whitefish gill net CPUE (kg/km) for management area 4-1.

Table 4-1.2. Lake whitefish catch from targeted effort, quota, targeted effort, and CPUE for gill nets in management area 4-1.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	64974	N/A	N/A	485.1	113.8
1984	45918	65217	70.4	661.2	61.6
1985	39934	65217	61.2	694.6	57.5
1986	47259	65217	72.5	678.3	69.7
1987	59484	75172	79.1	664.1	92.8
1988	48566	71932	67.5	638.4	76.1
1989	31470	71932	43.7	485.3	64.8
1990	28356	71932	39.4	388.6	73.0
1991	13342	71932	18.5	251.8	53.0
1992	28999	64750	44.8	356.4	81.4
1993	38558	64739	59.6	511.2	75.4
1994	63786	64739	98.5	565.0	112.9
1995	71226	71213	100.0	488.4	145.8
1996	78534	78355	99.1	453.5	173.2
1997	87265	86168	101.3	625.0	139.6
1998	93324	94785	98.5	697.6	133.8
1999	94640	94785	99.8	610.4	155.0
2000	90001	94785	95.0	645.1	139.5

CHUB

- Quota issued was 18,267 kg.
- Harvest was very low again in 2000 at only 48 kg (Figure 4-1.3) from a very small effort.

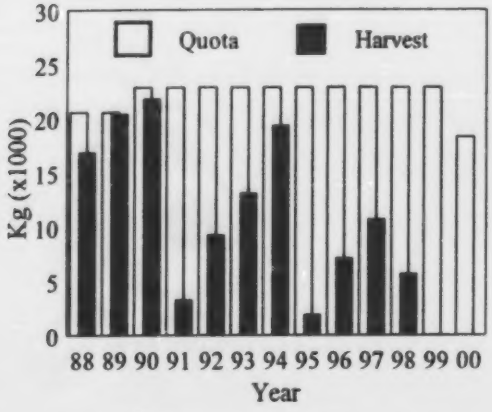


Figure 4-1.3. Chub quota and harvest (kg) for management area 4-1.

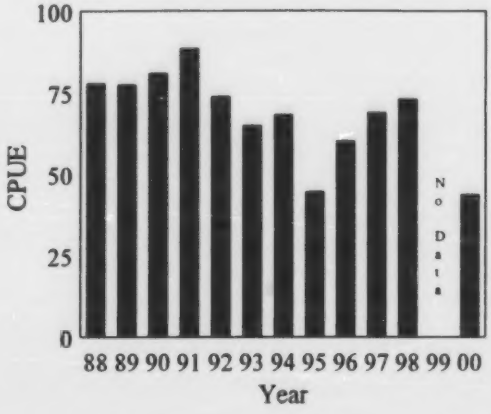


Figure 4-1.4. Chub gill net CPUE (kg/km) for management area 4-1.

Table 4-1.3. Chub catch from targeted effort, quota, targeted effort, and CPUE for management area 4-1.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	2722	N/A	N/A	35.4	49.0
1984	10106	15713	64.3	172.8	48.6
1985	15756	18070	87.2	232.2	67.9
1986	17115	18643	91.8	296.9	57.6
1987	13535	18685	72.4	204.5	65.0
1988	16883	20549	82.2	217.0	77.8
1989	20414	20549	99.3	263.8	77.4
1990	21814	22833	95.5	269.6	80.9
1991	3292	22833	14.4	37.2	88.5
1992	9262	22837	40.6	125.7	73.7
1993	13103	22833	57.4	202.2	64.8
1994	19342	22833	84.7	284.0	68.1
1995	1917	22833	8.4	43.0	44.6
1996	6677	22833	31.2	111.1	60.1
1997	10659	22833	46.8	154.9	68.8
1998	5543	22833	24.3	75.4	73.5
1999	0	22833	0.0	0.0	--
2000	48	18267	0.3	1.1	43.7

MANAGEMENT AREA 4-2

GENERAL

- Quota issued on commercial fishing licences was 267,293 kg, including a lake trout allowance of 1,411 kg (Table 4-2.1).
- Harvest of all fish species under quota control increased to 229,307 kg. Estimated value of the harvest of species under quota control increased to $547,061.
- Harvest and estimated value of all fish species sold was 229,969 kg and $547,668, respectively (Table 4-2.1). An additional 15,125 kg of fish of no commercial value was reported caught.

Table 4-2.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 4-2 in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	3,636	34	0.9	45	30
Chub	34,866	118	0.3	258	371
Lake Sturgeon	357	20	5.6	20	121
Lake Trout	3,489	4,120	118.1	4,863	5,813
Lake Whitefish	224,243	225,003	100.3	235,170	540,681
Northern Pike	129	0	0.0	0	0
Walleye	373	12	3.2	12	45
Yellow Perch	200	0	0.0	0	0
Sub-Total	267,293	229,307		240,368	547,061
Atlantic Salmon		0		7	0
Burbot		0		3,166	0
Chinook Salmon		0		12	0
Common Carp		61		61	32
Freshwater Drum		9		9	6
Lake Herring		576		576	558
Longnose Gar		0		1	0
Rainbow Trout		0		18	0
Round Whitefish		16		25	11
Suckers		0		851	0
Total	267,293	229,969		245,094	547,668

LAKE WHITEFISH

- The quota issued was 224,243 kg.
- The harvest increased to 225,003 kg, 100.3% of the quota (Figure 4-2.1). The gill net fishery accounted for 56% of the harvest with the remainder coming out of trap nets (Figure 4-2.2).
- Gill net effort decreased to 796 km and trap net effort decreased to 148 net lifts (Figure 4-2.3).
- CPUE in the gill net fishery decreased to 158 kg/km and increased to 737 kg/net lift in the trap net fishery (Figure 4-2.4).

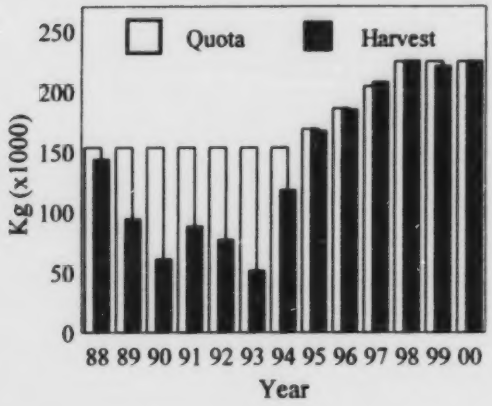


Figure 4-2.1. Lake whitefish quota and harvest (kg) for management area 4-2.

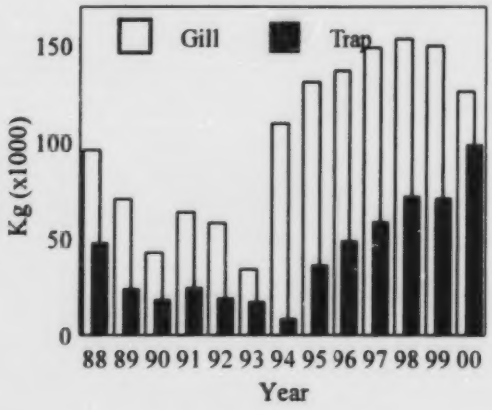


Figure 4-2.2. Lake whitefish harvest (kg) for management area 4-2.

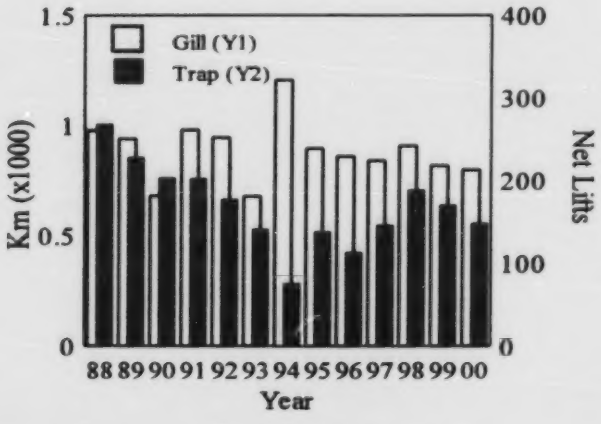


Figure 4-2.3. Lake whitefish effort for management area 4-2.

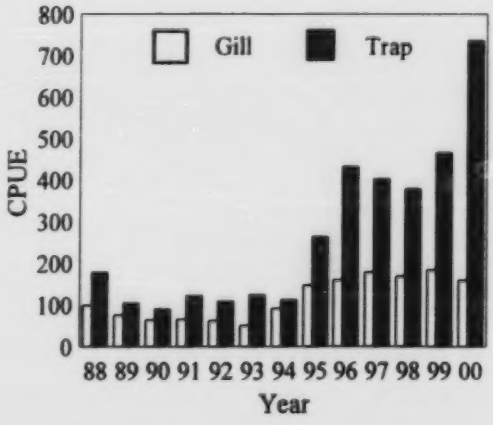


Figure 4-2.4. Lake whitefish CPUE (kg/km and kg/net lift) for management area 4-2.

Table 4-2.2. Lake whitefish catch from targeted effort, quota, targeted effort, and CPUE for management area 4-2.

Year	Targeted Catch (kg)			Quota	Percent	Targeted Effort		CPUE	
	Gill	Trap	Total	(kg)	Taken	Gill (km)	Trap (# of lifts)	Gill (kg/km)	Trap (kg/net lift)
1983	75645	21047	96692	N/A	N/A	1003.7	231	75.4	91.1
1984	94753	21474	116227	132910	87.4	1521.4	219	62.3	98.1
1985	108579	20433	129012	132910	97.1	1162.8	251	93.4	81.4
1986	115121	21983	137104	132910	103.2	1426.0	249	80.7	88.3
1987	91570	25701	117271	153190	76.6	1123.8	233	81.5	110.3
1988	95881	48046	143927	153161	94.0	974.9	268	98.3	179.3
1989	70375	24064	94439	153161	61.7	937.5	228	75.1	105.5
1990	42698	18480	61178	153161	39.9	678.1	203	63.0	91.0
1991	63597	24704	88301	153161	57.7	976.9	202	65.1	122.3
1992	57999	19339	77338	153187	50.5	942.0	177	61.6	109.3
1993	33987	17554	51541	153161	33.7	676.7	141	50.2	124.5
1994	109580	8603	118183	153161	77.2	1203.4	76	91.0	113.2
1995	130930	36504	167434	168477	99.4	893.3	138	146.6	264.5
1996	136899	48968	185867	185325	99.8	857.3	113	159.7	433.3
1997	148895	58890	207785	203858	101.9	837.3	146	177.8	403.4
1998	151554	70807	222361	224243	99.2	901.1	187	168.2	378.6
1999	149724	79219	228943	224243	102.1	815.2	170	183.7	466.0
2000	126105	109065	235170	224243	104.9	796.0	148	158.4	736.9

CHUB

- Quota issued in 2000 was 34,866 kg.
- Harvest decreased to 118 kg, 0.3% of the quota (Figure 4-2.5).

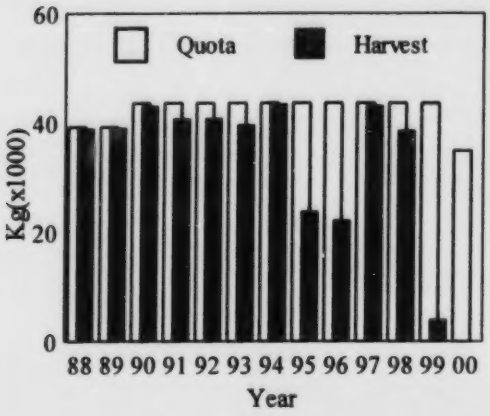


Figure 4-2.5. Chub quota and harvest (kg) for management area 4-2.

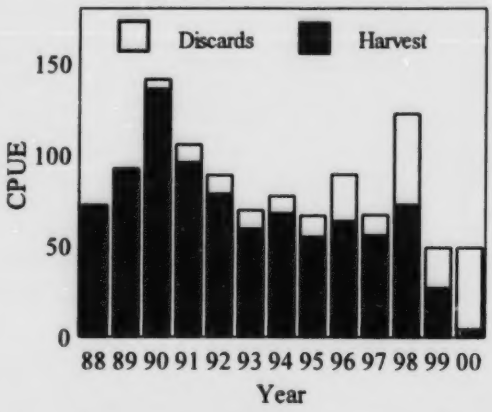


Figure 4-2.6. Chub (harvest+discards) for gill net CPUE (kg/km) for management area 4-2. CPUE corrected for discarding.

Table 4-2.3. Chub catch from targeted effort, quota, targeted effort, and CPUE for management area 4-2.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km) Catch	Discards
1983	33180	N/A	N/A	437.0	66.1	
1984	42418	35584	119.2	537.0	77.8	
1985	35619	40922	87.0	507.8	69.6	
1986	35433	35584	99.6	458.5	76.1	2.8
1987	31237	35665	87.6	466.6	59.2	1.1
1988	38988	39224	99.4	544.0	71.7	0.6
1989	39142	39224	99.8	431.1	90.8	1.5
1990	43129	43582	99.0	317.1	136.0	5.2
1991	40771	43582	93.6	426.0	95.7	9.8
1992	40845	43589	93.7	521.1	78.4	10.5
1993	39616	43582	90.9	668.6	59.3	10.2
1994	43463	43582	99.7	642.0	67.7	9.7
1995	23803	43582	54.6	434.5	54.8	11.7
1996	22428	43582	50.9	352.7	63.6	25.6
1997	43126	43582	99.0	771.1	55.9	11.2
1998	38584	43582	88.5	531.7	72.6	49.8
1999	4069	43582	9.3	150.9	27.0	22.1
2000	118	34866	0.3	27.4	4.3	44.8

MANAGEMENT AREA 4-3

GENERAL

- Quota issued was 184,574 kg, including a lake trout allowance of 5,106 kg (Table 4-3.1).
- Harvest of all fish species under quota control increased to 172,269 kg. Estimated value of the harvest of species under quota control increased to $396,672.
- Harvest and estimated value of all fish species sold was 173,645 kg and $397,958 respectively. An additional 2,355 kg of fish of no commercial value was reported caught.

Table 4-3.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 4-3 in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	3,699	18	0.5	18	16
Chub	33,054	295	0.9	864	924
Lake Sturgeon	58	0	0.0	0	0
Lake Trout	6,840	17,834	260.7	17,855	25,163
Lake Whitefish	138,808	153,963	110.9	153,963	369,972
Northern Pike	540	5	0.9	5	11
Walleye	550	55	10.0	55	209
Yellow Perch	1,025	99	9.7	99	377
Sub-Total	184,574	172,269		172,859	396,672
Burbot		0		1,245	0
Common Carp		80		80	42
Lake Herring		1,247		1,248	1,209
Rainbow Trout		0		16	0
Round Whitefish		49		49	35
Suckers		0		503	0
Total	184,574	173,645		176,000	397,958

LAKE WHITEFISH

- The quota issued was 138,808 kg.
- The harvest increased to 153,963 kg, 110.9% of the quota (Figure 4-3.1).

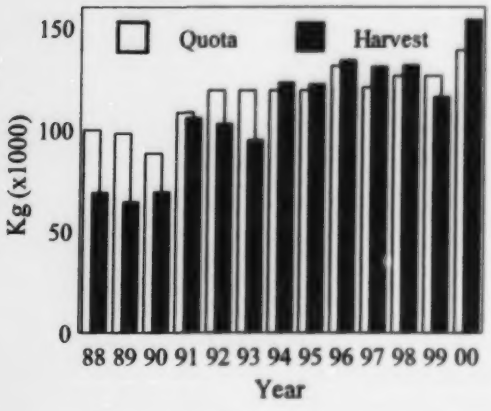


Figure 4-3.1. Lake whitefish quota and harvest (kg) for management area 4-3.

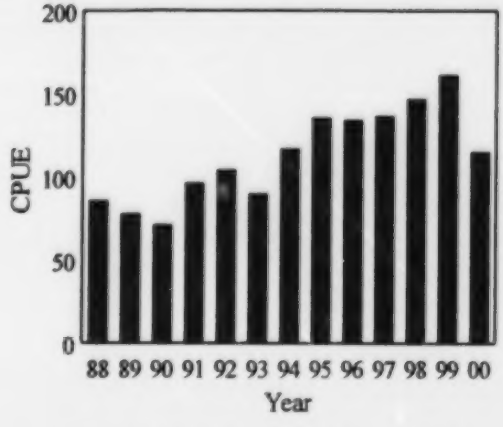


Figure 4-3.2. Lake whitefish annual gill net CPUE (kg/km) for management area 4-3.

Table 4-3.2. Lake whitefish catch from targeted effort, quota, targeted effort, and CPUE for management area 4-3.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	45128	N/A	N/A	366.0	112.5
1984	36678	79520	46.1	355.3	102.3
1985	51611	79520	64.9	592.9	97.8
1986	38839	79518	48.8	439.4	88.8
1987	41467	114478	36.2	411.8	103.7
1988	69197	99768	69.4	805.1	85.9
1989	64713	98194	65.9	831.7	77.8
1990	69483	88263	78.7	953.0	71.4
1991	105934	108377	97.7	1099.0	96.4
1992	103094	119234	86.5	988.7	104.3
1993	95073	119214	79.7	1058.0	89.9
1994	123280	119214	103.4	1053.8	117.0
1995	122467	119214	102.7	902.8	135.7
1996	128391	131137	97.9	955.5	134.4
1997	130850	120611	108.5	956.6	136.8
1998	116632	126190	92.4	792.6	147.2
1999	116226	126190	92.1	720.1	161.4
2000	153961	138808	110.9	1335.0	115.3

CHUB

- Quota issued was 33,054 kg.
- Harvest decreased to 295 kg, only 0.9% of the quota (Figure 4-3.3).

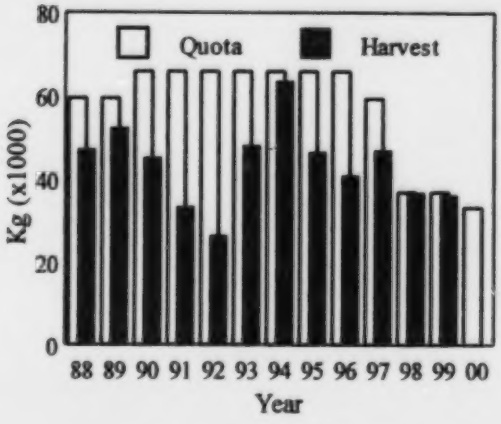


Figure 4-3.3. Chub quota and harvest (kg) for management area 4-3.

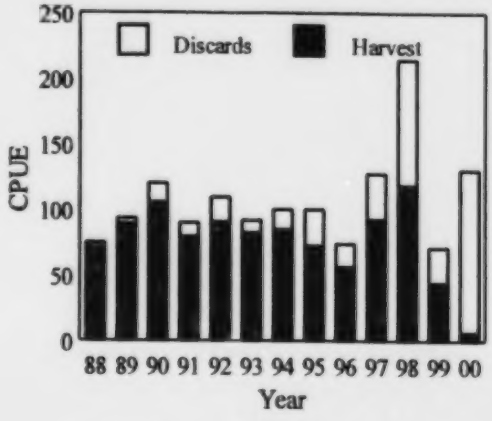


Figure 4-3.4. Chub (harvest+discards) gill net CPUE (kg/km) for management area 4-3. CPUE corrected for discarding.

Table 4-3.3. Chub catch from targeted effort, quota, targeted effort, and CPUE for management area 4-3.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km) Catch	Discards
1983	3482	N/A	N/A	32.9	65.7	
1984	30318	41640	72.8	274.8	109.4	
1985	39184	41640	94.1	478.9	83.1	
1986	34155	57603	59.3	536.8	64.0	3.8
1987	58471	59222	98.7	862.2	71.6	2.1
1988	47122	59371	79.4	662.5	71.1	3.4
1989	52317	59371	88.1	586.9	89.1	4.1
1990	45152	65751	68.7	429.0	105.2	14.6
1991	33334	65751	50.7	421.8	79.0	10.6
1992	26429	65763	40.2	292.7	90.3	18.7
1993	48127	65751	73.2	586.6	82.0	9.6
1994	63512	65751	96.6	750.4	84.6	15.4
1995	46390	65751	70.6	641.9	72.3	27.7
1996	40048	65751	60.9	714.5	56.1	17.7
1997	46865	59177	79.2	508.1	92.2	35.1
1998	36747	36727	100.1	310.9	118.2	95.9
1999	36067	36727	98.2	816.1	44.2	26.7
2000	295	33054	0.9	47.5	6.2	123.9

MANAGEMENT AREA 4-4

GENERAL

- Quota was 662,623 kg including a lake trout allowance of 5,992 kg (Table 4-4.1).
- Harvest of all fish species under quota control decreased to 443,865.

Table 4-4.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 4-4 in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	Unlimited	0	0.0	0	0
Chub	258,173	18,103	7.0	18,103	57,470
Lake Sturgeon	100	0	0.0	0	0
Lake Trout	7,998	20,870	260.9	20,870	35,428
Lake Whitefish	385,845	402,107	104.2	402,107	1,072,641
Northern Pike	393	24	6.1	24	0
Walleye	742	1,950	262.8	1,950	8,901
Yellow Perch	9,372	811	8.7	811	5,367
Sub-Total	662,623	443,865		443,865	1,179,807
Brown Bullhead		8		8	0
Chinook Salmon		34		34	0
Common Carp		54		54	0
Lake Herring		1		1	1
Rainbow Trout		18		18	0
Suckers		1		1	0
Other/Mixed		3		3	0
Total	662,623	443,984		443,984	1,179,808

LAKE WHITEFISH

- Quota was 385,845 kg (Figure 4-4.1).
- Total harvest was 402,107 kg, 104.2% of the quota (Figure 4-4.1).
- Data in Table 4-4.2 is from the non-Aboriginal fishery only.

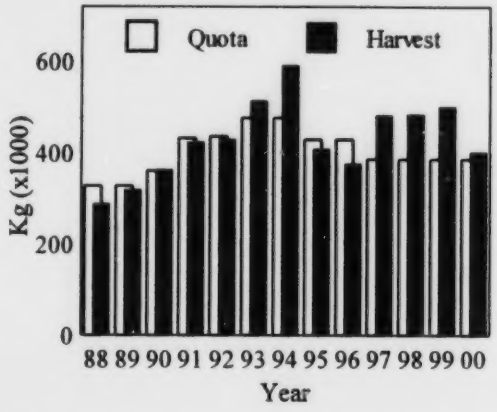


Figure 4-4.1. Lake whitefish quota and harvest (kg) for management area 4-4.

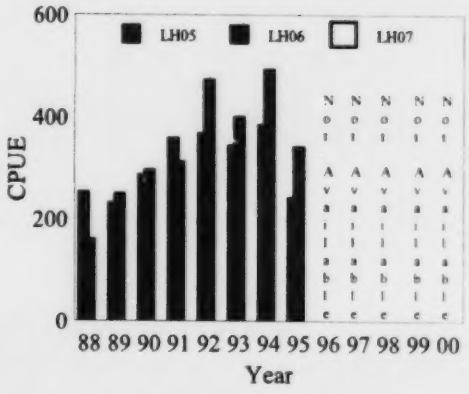


Figure 4-4.2. Lake whitefish annual gill net CPUE (kg/km) for management area 4-4.

Table 4-4.2. Lake whitefish catch from targeted effort, quota, targeted effort, and CPUE for management area 4-4.

Year	Targeted Catch (kg)				Quota	Percent	Targeted Gill Effort (km)				CPUE (kg/km)		
	LH05	LH06	LH07	Total	(kg)	Taken	LH05	LH06	LH07	Total	LH05	LH06	LH07
1983	199122	588		199710	N/A	N/A	1427.2	8.4		1435.6	137.3	70.0	
1984	256189	944		257133	273339	94.1	1349.7	13.0		1362.7	189 8	72.3	
1985	312497	508		313005	273339	114.5	1053.5	0.9		1054.4	287.0	356.7	
1986	241737	2		241739	284321	85.0	992.0	0.0		992.0	236.3	--	
1987	343893	0		343893	327557	105.0	1456.4	0.0		1456.4	236.1	--	
1988	261822	26758		288580	327495	88.1	1029.0	165.7		1194.7	254.4	161.5	
1989	283154	36672		319826	327495	97.7	1210.0	145.7		1355.7	233.8	251.7	
1990	332223	31589		363812	360244	101.0	1151.9	106.1		1258.0	288.4	297.7	
1991	381527	42643		424170	432293	98.1	1061.6	136.0		1197.6	359.4	313.5	
1992	402214	28053		430267	435968	98.7	1089.4	59.1		1148.5	369.2	474.7	
1993	387988	68308		456296	458208	99.6	1125.8	170.2		1296.0	344.9	401.3	
1994	206012	148874		354886	359923	98.6	533.9	300.8		834.7	385.9	494.9	
1995	47314	110712		158026	162188	97.4	194.7	323.1		517.8	243.0	342.7	
1996	na	816	1814	2630	217457	1.2	0.0	6.9	3.7	10.6	na	118.3	490.3
1997	na	2799	0	na	385845	na	na	7.8	0.0	na	na	358.8	--
1998	na	na	na	na	385845	na	na	na	na	na	na	na	na
1999	9715	1287	428	11430	385845	3.0	11.7	7.2	2.3	21.2	830.0	178.2	187.1
2000	10052	953	0	11005	385845	2.9	25.6	1.1	0	26.7	392.6	866.4	--

CHUB

- Quota was 258,173 kg (Figure 4-4.3).
- Total harvest was 18,103 kg, 7% of the final quota.

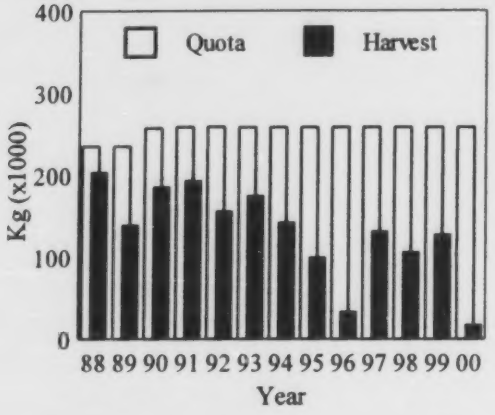


Figure 4-4.3. Chub quota and harvest (kg) for management area 4-4.

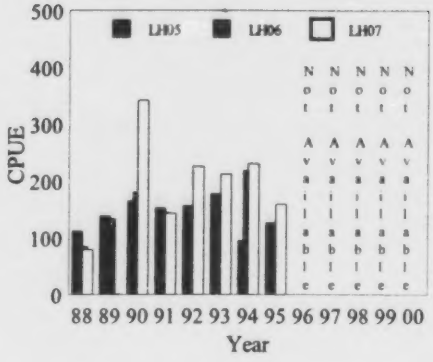


Figure 4-4.4. Chub gill net CPUE (kg/km) by subarea for management area 4-4.

Table 4-4.3. Chub catch from targeted effort, quota, targeted effort, and CPUE for management area 4-4.

Year	Targeted Catch (kg)				Quota	Percent	Targeted Gill Effort (km)				CPUE (kg/km)			
	LH05	LH06	LH07	Total	(kg)	Taken	LH05	LH06	LH07	Total	LH05	LH06 Catch	LH07	4-4 Discards
1983	68080	58171	59708	185959	N/A	N/A	631.1	667.1	549.2	1847.4	93.1	87.2	108.7	
1984	73681	100951	64455	239087	275778	86.7	761.4	918.1	494.3	2173.8	86.2	109.8	130.4	
1985	23809	60298	58663	142770	317146	45.0	241.0	696.1	543.1	1480.2	98.8	86.6	108.0	
1986	39405	25966	56513	121884	277781	43.9	521.7	546.1	530.1	1597.9	75.5	47.5	106.6	1.5
1987	66119	15011	2662	83792	276398	30.3	763.9	268.8	27.6	1060.3	86.5	55.8	96.4	4.7
1988	90161	62350	51529	204040	234896	86.9	810.1	734.9	658.5	2203.5	111.3	84.8	78.3	22.1
1989	94352	45127	0	139479	234896	59.4	681.6	337.4	0.0	1019.0	138.4	133.7	---	7.2
1990	79294	55703	51229	186226	257211	72.4	480.5	308.2	150.0	938.6	165.0	180.8	341.6	17.8
1991	64627	76960	51894	193481	258385	74.9	423.2	531.5	364.0	1318.7	152.7	144.8	142.6	30.5
1992	51294	86289	18947	156530	258530	60.5	328.3	563.1	84.1	988.8	156.2	153.2	225.3	47.9
1993	69832	101143	4445	175420	258173	67.9	393.1	628.6	21.0	1042.7	177.7	160.9	211.7	31.4
1994	45503	84299	8512	138014	185347	74.5	481.8	385.1	35.7	902.6	94.4	218.9	230.0	29.4
1995	36908	52409	7253	96570	199406	48.4	291.8	508.9	45.7	846.4	126.5	103.0	158.7	28.5
1996	1427	29515	0	30942	176254	17.6	11.0	237.5	0.0	248.5	129.7	124.3	---	17.1
1997	na	12911	0	na	258173	na	na	70.9	0.0	na	na	182.1	---	---
1998	na	na	na	na	258173	na	na	na	na	na	na	na	na	na
1999	na	1539	261	1800	258173	0.7	na	15.5	0.9	16.4	na	99.3	290.0	na
2000	na	na	na	na	258173	na	na	na	na	na	na	na	na	na

YELLOW PERCH

- Quota was 9,372 kg and harvest was 811 kg (Figure 4-4.5).
- Data in Figure 4-4.6 and Table 4-4.4 is from the non-Aboriginal fishery only.

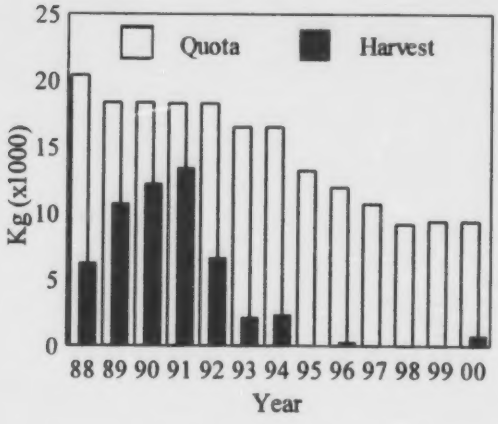


Figure 4-4.5. Yellow perch quota and harvest (kg) for management area 4-4.

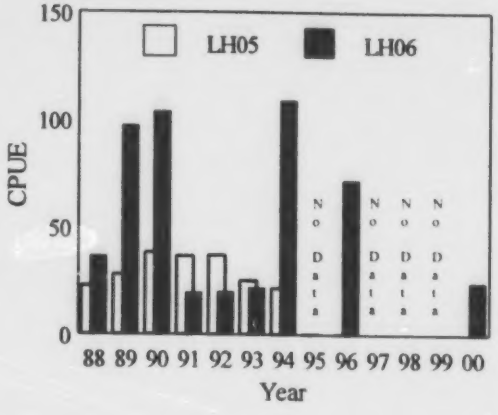


Figure 4-4.6. Yellow perch gill net CPUE (kg/km) by subarea for management area 4-4.

Table 4-4.4. Yellow perch catch from targeted effort, quota, targeted effort, and CPUE for management area 4-4.

Year	Targeted Catch (kg)			Quota	Percent	Targeted Gill Effort (km)			CPUE (kg/km)	
	LH05	LH06	Total	(kg)	Taken	LH05	LH06	Total	LH05	LH06
1983	34380	7255	41635	N/A	N/A	469.7	112.9	582.6	57.9	65.3
1984	4868	3517	8385	10161	82.5	123.3	93.3	216.6	36.9	39.2
1985	5047	1723	6770	10161	66.6	81.1	15.9	97.0	55.1	108.4
1986	3749	4474	8223	10161	80.9	66.3	56.1	122.4	55.9	79.8
1987	13619	1302	14921	20362	73.3	170.5	32.1	202.6	74.6	40.6
1988	3372	2888	6260	20362	33.4	141.1	79.2	220.3	22.5	36.5
1989	6888	3854	10742	18327	58.6	219.2	39.6	258.8	27.8	97.3
1990	10567	1691	12258	18327	66.9	277.2	16.3	293.5	38.1	103.9
1991	13004	420	13424	18253	73.5	346.7	21.0	367.7	36.4	19.6
1992	5818	850	6668	18255	36.5	158.0	42.5	200.5	36.8	20.0
1993	1478	691	2169	16492	13.2	58.8	31.7	90.5	25.1	21.8
1994	1155	1222	2377	7877	30.2	54.0	11.2	65.2	21.4	109.1
1995	0	0	0	6301	0.0	0.0	1.5	1.5	--	--
1996	0	331	331	9387	3.5	0.0	4.6	4.6	--	72.0
1997	0	0	0	10687	0.0	0.0	0.0	0.0	--	--
1998	0	0	0	9164	0.0	na	na	na	--	--
1999	na	na	na	9372	0.0	na	na	na	--	--
2000	0	34	34	9372	0.4	0.0	1.4	1.4	--	24.3

LAKE TROUT

- Quota was 2,006 kg (Figure 4-4.7). An additional allowance of 5,992 kg was available to the fishery for a total allowable harvest of 7,998 kg.
- Total harvest increased to 20,870 kg, 1,040.4% of the quota (Figure 4-4.21) and 260.9% of the total allowable catch.

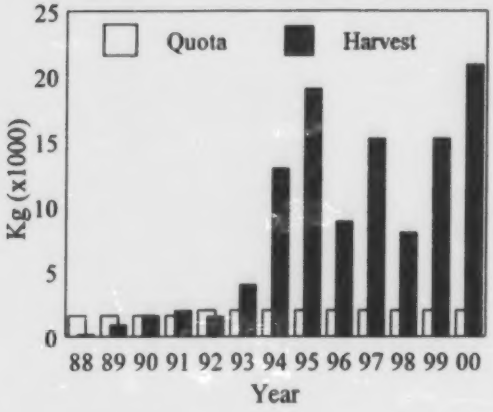


Figure 4-4.7. Lake trout quota and harvest (kg) for management area 4-4.

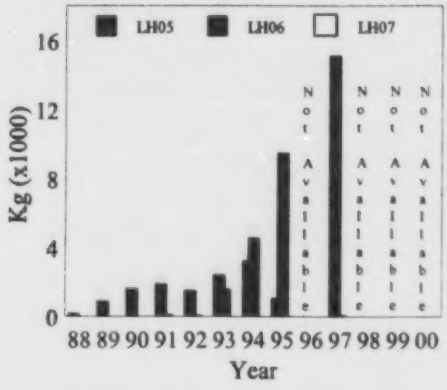


Figure 4-4.8. Lake trout harvest (kg) by subarea for management area 4-4.

Table 4-4.5. Lake trout harvest and quota for management area 4-4.

Year	Harvest (kg)				Quota	Percent
	LH05	LH06	LH07	Total	(kg)	Taken
1983	684	589		1273	N/A	N/A
1984	1287	22		1309	950	137.8
1985	262	106		368	950	38.7
1986	109	0		109	1583	6.9
1987	107	0		107	1593	6.7
1988	191	0		191	1593	12.0
1989	899	2		901	1582	57.0
1990	1592	12		1625	1582	102.7
1991	1882	124		2006	1582	126.8
1992	1485	79		1564	1999	78.2
1993	2394	1586		3980	2006	198.4
1994	3205	4564		7769	2006	387.3
1995	1061	9484		10545	2006	525.7
1996	6	151	227	384	1625	23.6
1997	15093	113	0	15206	2006	758.0
1998	na	na	na	8478	2006	422.6
1999	na	na	na	15217	2006	758.6
2000	na	na	na	20870	2006	1040.4

MANAGEMENT AREA 4-5

GENERAL

- Quota issued on commercial fishing licences was 1,688,266 kg including a lake trout allowance of 3,732 kg (Table 4-5.1).
- Harvest and estimated value of all fish species sold was 1,443,235 kg and $4,384,516 respectively.

Table 4-5.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 4-5 in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	46,955	10,914	23.2	10,936	12,030
Chub	109,240	11,996	11.0	12,064	38,083
Lake Sturgeon	4,240	3,782	89.2	4,474	23,843
Lake Trout	40,406	47,967	118.7	76,365	81,425
Lake Whitefish	1,218,707	1,138,520	93.4	1,138,978	3,037,057
Northern Pike	227	0	0.0	0	0
Walleye	123,697	73,868	59.7	76,213	337,097
Yellow Perch	144,794	127,580	88.1	127,583	843,786
Sub-Total	1,688,266	1,414,627		1,446,613	4,373,321
Bigmouth Buffalo		37		37	0
Burbot		0		386	0
Common Carp		0		454	0
Crappies		0		2	0
Freshwater Drum		23,022		23,090	10,151
Gizzard Shad		420		6,426	0
Lake Herring		1		1	1
Muskellunge		0		62	0
Pacific Salmon		0		27	0
Rainbow Trout		0		7	0
Redhorse Suckers		4,384		4,384	0
Rock Bass		54		54	0
Round Whitefish		81		81	104
Smallmouth Bass		0		249	0
Suckers		0		2,164	0
Sunfish		5		5	0
White Bass		508		508	839
White Perch		91		91	100
Other/Mixed		5		5	0
Total	1,688,266	1,443,235		1,484,646	4,384,516

LAKE WHITEFISH

- The quota issued was 1,218,707 kg.
- The harvest decreased to 1,138,520 kg, 93.4% of the quota (Figure 4-5.1). The gill net fishery accounted for 93% of the harvest with the remainder coming out of the trap net fishery (Figure 4-5.2).
- Gill net effort increased to 3,458 km (Figure 4-5.3). Trap net effort reported increased to 131 net lifts.
- CPUE in the gill net fishery decreased to 306 kg/km (Figure 4-5.4) while trap net CPUE decreased to 556 kg/net lift.

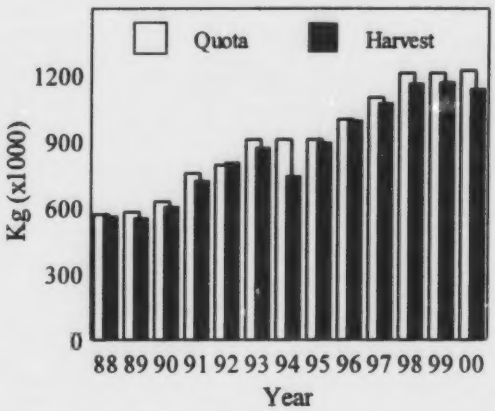


Figure 4-5.1. Lake whitefish quota and harvest (kg) for management area 4-5.

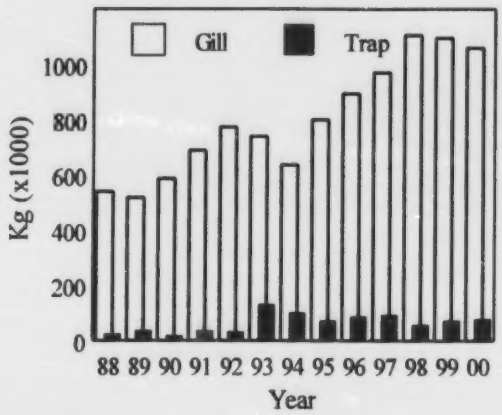


Figure 4-5.2. Lake whitefish harvest (kg) for management area 4-5.

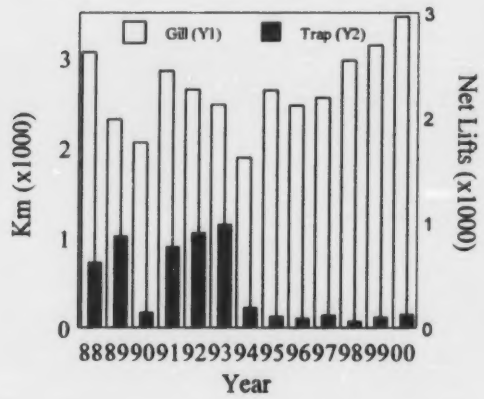


Figure 4-5.3. Lake whitefish gill net (km) and trap net (net lifts) effort for management area 4-5.

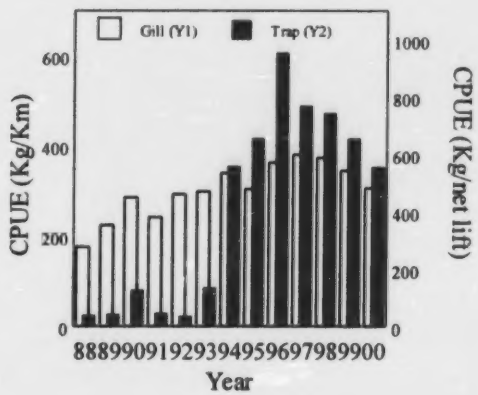


Figure 4-5.4. Lake whitefish CPUE for management area 4-5.

Table 4-5.2. Lake whitefish catch from targeted effort, quota, targeted effort, and CPUE for management area 4-5.

Year	Targeted Catch (kg)			Quota	Percent	Targeted Effort (km)		CPUE	
	Gill	Trap	Total	(kg)	Taken	Gill (km)	Trap (# of nets)	Gill (kg/km)	Trap (kg/net)
1983	701812	90874	792686	N/A	N/A	4808.3	985	146.0	92.3
1984	473853	40795	514648	575068	89.4	4260.5	454	111.2	89.9
1985	537770	60800	598570	575068	104.1	2655.3	464	202.5	131.0
1986	514792	56593	571385	567358	100.7	2454.3	800	209.7	70.7
1987	531662	33265	564427	567806	99.4	2774.4	1010	191.6	32.9
1988	538241	24352	562593	567722	99.1	3060.7	626	175.9	38.9
1989	516942	36427	553369	578683	95.6	2310.5	873	223.7	41.7
1990	586046	18749	604795	625697	96.7	2055.3	148	285.1	126.7
1991	687471	35485	722956	753515	95.9	2850.5	772	241.2	46.0
1992	772641	32473	805114	790824	101.8	2646.2	904	292.0	35.9
1993	739150	132183	871333	906882	96.1	2476.4	983	298.5	134.5
1994	638963	108566	747529	906885	82.2	1883.9	195	339.2	556.7
1995	799910	72738	872648	906885	96.2	2634.9	111	303.6	655.3
1996	893894	88644	982538	997575	98.5	2467.0	93	362.3	953.2
1997	970135	94449	1064584	1097331	97.9	2554.4	123	379.8	767.9
1998	1094894	48299	1143193	1207067	94.7	2932.1	65	373.4	743.1
1999	1080540	69279	1149819	1207067	95.3	3135.4	106	344.6	653.6
2000	1057762	72776	1130221	1218707	92.7	3458.1	131	305.9	555.5

CHUB

- Quota issued was 109,240 kg.
- Harvest increased to 11,996 kg, 11% of the quota (Figure 4-5.5).
- Effort increased to 113.9 km (Table 4-5.3).

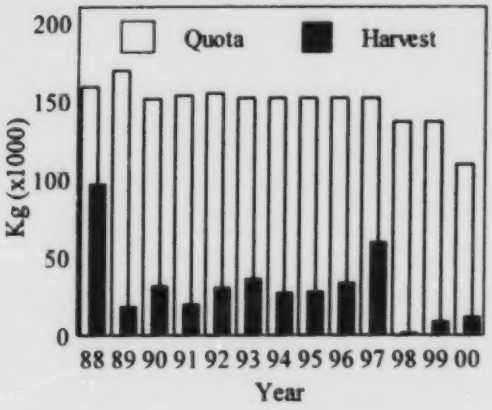


Figure 4-5.5. Chub quota and harvest (kg) for management area 4-5.

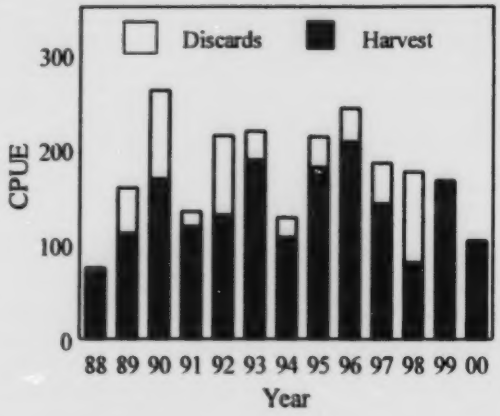


Figure 4-5.6. Chub (harvest+discards) gill net CPUE (kg/km) for management area 4-5. CPUE corrected for discarding.

Table 4-5.3. Chub catch from targeted effort, quota, targeted effort, and CPUE for management area 4-5.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km) Catch	Discards
1983	54482	N/A	N/A	721.2	75.5	
1984	161434	174608	92.5	2062.4	78.3	
1985	161753	200799	80.6	3833.0	42.2	
1986	97368	174637	55.8	1015.3	95.9	12.0
1987	47686	174855	27.3	830.9	57.4	6.2
1988	96898	158856	61.0	1385.5	69.9	4.6
1989	18709	169291	11.1	168.9	110.8	48.0
1990	31721	151161	21.0	188.6	168.2	93.4
1991	20110	153251	13.1	170.2	118.2	15.6
1992	30964	154758	20.0	238.1	130.0	83.7
1993	36327	151722	23.9	193.3	187.9	30.4
1994	27408	151722	18.1	256.8	106.7	20.8
1995	28040	151722	18.5	155.4	180.4	32.3
1996	29716	151722	19.6	143.6	206.9	35.4
1997	58792	151722	39.4	414.1	142.0	43.0
1998	1758	136549	1.3	21.9	80.4	95.2
1999	8899	136549	6.5	53.5	166.3	0.0
2000	11732	19240	10.7	113.9	103.0	na

YELLOW PERCH

- Quota issued was 144,794 kg.
- Harvest increased to 127,580 kg, 88.1% of the quota (Figure 4-5.7). The majority of the harvest (93%) came from the gill net fishery (Figure 4-5.8).
- Gill net CPUE increased to 48.7 kg/km (Figure 4-5.10).

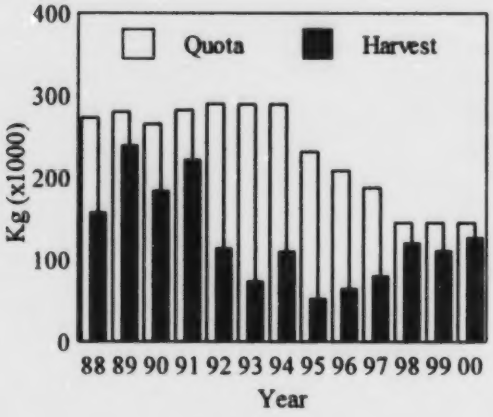


Figure 4-5.7. Yellow perch quota and harvest (kg) for management area 4-5.

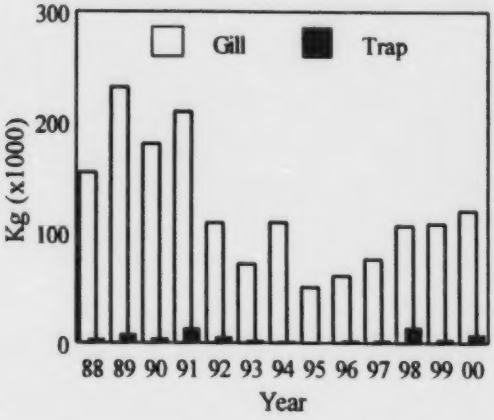


Figure 4-5.8 Yellow perch harvest (kg) for management area 4-5.

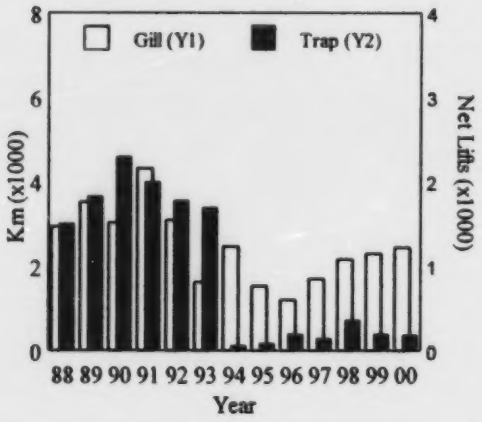


Figure 4-5.9. Yellow perch effort for management area 4-5.

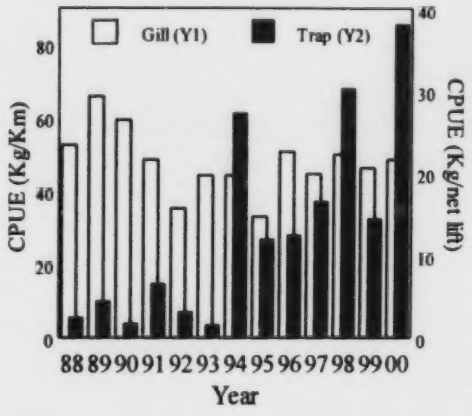


Figure 4-5.10. Yellow perch harvest CPUE for management area 4-5.

Table 4-5.4. Yellow perch catch from targeted effort, quota, targeted effort, and CPUE for management area 4-5.

Year	Targeted Catch (kg)			Quota	Percent	Targeted Effort (km)		CPUE	
	Gill	Trap	Total	(kg)	Taken	Gill (km)	Trap (# of net lifts)	Gill (kg/km)	Trap (kg/net lift)
1983	99115	10789	109904	N/A	N/A	2880.9	2729	34.4	4.0
1984	198785	7566	206351	249353	82.8	3832.0	2139	51.9	3.5
1985	214888	13264	228152	249353	91.5	4976.8	2162	43.2	6.1
1986	233977	10529	244506	249353	98.1	3850.8	1785	60.8	5.9
1987	189704	11127	200831	313275	64.1	3239.8	2388	58.6	4.7
1988	154136	3814	157950	272522	58.0	2930.9	1505	52.6	2.5
1989	231414	8148	239562	279834	85.6	3509.1	1827	65.9	4.5
1990	180063	4239	184302	264894	69.6	3026.0	2294	59.5	1.8
1991	209190	13277	222467	281996	78.9	4306.5	1998	48.6	6.6
1992	108740	5718	114458	289540	39.5	3079.5	1776	35.3	3.2
1993	71598	2653	74251	289027	25.7	1616.9	1695	44.3	1.6
1994	110643	1832	110643	289027	38.3	2456.5	67	44.3	27.3
1995	50345	1076	51421	231233	22.2	1526.2	90	33.0	12.0
1996	60688	2454	63142	208113	30.3	1194.0	196	50.8	12.5
1997	75624	2444	78068	187307	43.1	1690.5	147	44.7	16.6
1998	106350	10901	117251	144794	81.0	2112.1	360	50.4	30.3
1999	105994	2864	108858	144794	75.2	2288.4	198	46.3	14.5
2000	118427	7123	125550	144794	86.7	2431.9	187	48.7	38.1

WALLEYE

- Quota issued was 123,697 kg.
- Harvest decreased to 73,868 kg, 59.7% of the quota (Figure 4-5.11). Trap nets produced 91% of the harvest (Figure 4-5.12).
- Trap net effort reported increased to 1,371 net lifts (Table 4-5.5) while gill net effort decreased to 24.9 km.
- Trap net CPUE increased to 50.1 kg/net lift (Figure 4-5.13) and gillnet CPUE decreased to 97.2 kg/km (Table 4-5.5)

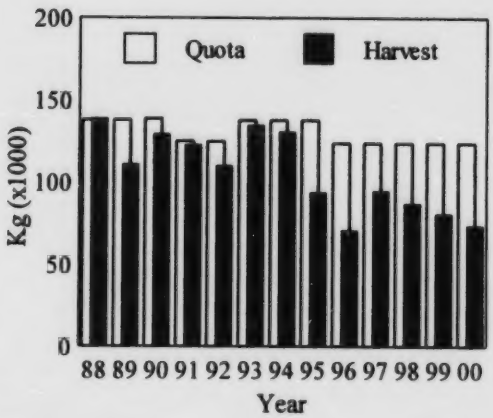


Figure 4-5.11. Walleye quota and harvest (kg) for management area 4-5.

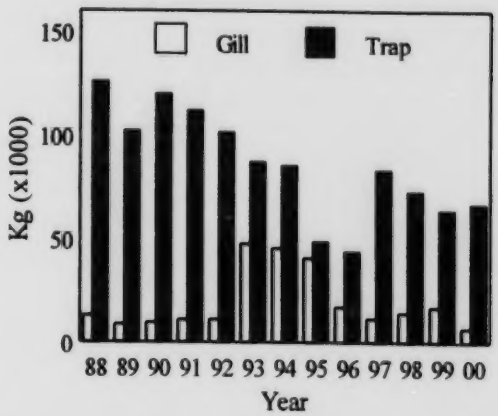


Figure 4-5.12. Walleye harvest (kg) for management area 4-5.

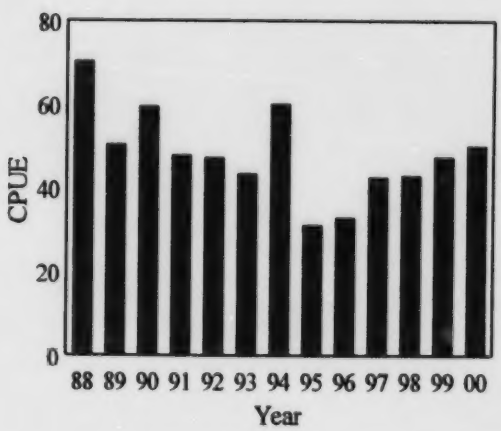


Figure 4-5.13. Walleye trap net CPUE (kg/net lift) for management area 4-5.

Table 4-5.5. Walleye catch from targeted effort, quota, targeted effort, and CPUE for management area 4-5.

Year	Targeted Catch (kg)			Quota	Percent	Targeted Effort		CPUE	
	Gill	Trap	Total	(kg)	Taken	Gill (km)	Trap (# of net lifts)	Gill (kg/km)	Trap (kg/net lift)
1983	27095	93930	121025	N/A	N/A	1195.9	2905	22.7	32.3
1984	21757	107277	129034	125355	102.9	1170.8	3300	18.6	32.5
1985	17154	102446	119600	125355	95.4	512.1	2163	33.5	47.4
1986	10320	112503	122823	125355	98.0	782.6	2330	13.2	48.3
1987	13607	123201	136808	137414	99.6	901.6	2453	15.1	50.2
1988	12707	126152	138859	137891	100.7	806.1	1794	15.8	70.3
1989	8625	102383	111008	137910	80.5	566.6	2032	15.2	50.4
1990	9447	119968	129415	138504	93.4	42.0	2017	224.9	59.5
1991	10854	112162	123016	125043	98.4	802.7	2346	13.5	47.8
1992	10957	101769	110223	124687	90.4	479.5	2158	22.9	47.2
1993	47496	87358	134854	137433	98.1	428.8	2015	110.8	43.4
1994	45349	85641	130990	137433	95.3	378.1	1428	119.9	60.0
1995	40597	48907	89504	137433	65.1	665.6	1573	61.0	31.1
1996	16899	44079	60978	123697	49.3	177.0	1340	95.5	32.9
1997	8423	81701	90124	123697	76.6	70.9	1917	118.9	42.6
1998	9656	72961	82617	123697	66.8	86.5	1690	111.6	43.2
1999	12450	63896	76346	123697	61.7	114.7	1348	108.6	47.4
2000	2421	68665	71086	123697	57.5	24.9	1371	97.2	50.1

LAKE TROUT

- Quota issued was 36,674 kg (Figure 4-5.14). An additional temporary allowance of 3,732 kg was also available for a total allowable harvest of 40,406 kg.
- Harvest increased to 47,967 kg, 130.8% of the quota and 118.7% of the total allowable harvest (Figure 4-5.14). Most of the harvest (91%) came from gill nets (Figure 4-5.15).

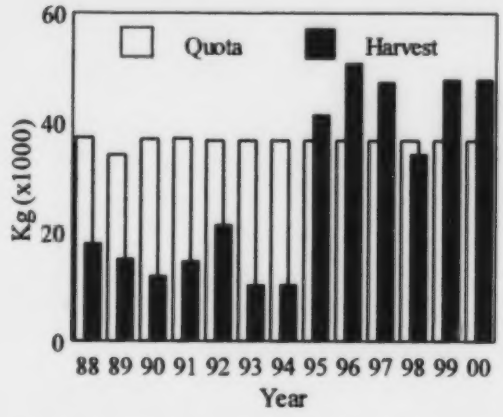


Figure 4-5.14. Lake trout quota and harvest (kg) for management area 4-5.

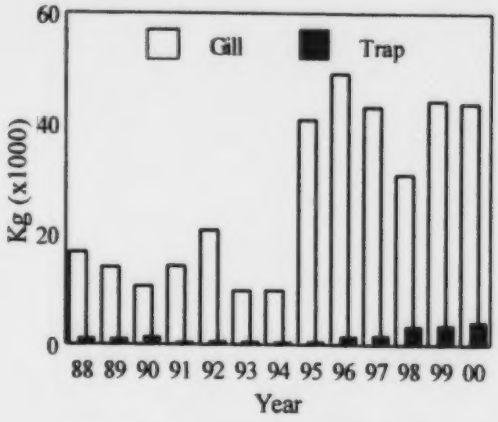


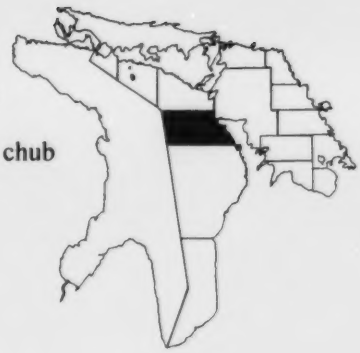
Figure 4-5.15. Lake trout harvest (kg) for management area 4-5.

Table 4-5.6. Lake trout harvest and quota for management area 4-5.

Year	Harvest (kg)			Quota	Percent
	Gill	Trap	Total	(kg)	Taken
1983	49371	5127	54498	N/A	N/A
1984	21431	5686	27117	37234	72.8
1985	19023	1212	20235	37209	54.4
1986	28718	1006	29724	37211	79.9
1987	26766	3063	29829	37240	80.1
1988	16701	1255	17956	37240	48.2
1989	14012	1122	15134	34062	44.4
1990	10523	1462	11985	36908	32.5
1991	14172	564	14736	37096	39.7
1992	20647	708	21355	36681	58.2
1993	9699	655	10354	36674	28.2
1994	9751	642	10393	36674	28.3
1995	40719	713	41432	36674	113.0
1996	49075	1624	50699	36674	138.2
1997	43047	1784	44831	36674	122.2
1998	31260	3537	34797	36674	94.9
1999	42212	5663	47875	36674	130.5
2000	43667	4300	47967	36674	130.8

MANAGEMENT AREA 4-7

GENERAL



- Total quota was 132,667 kg including a lake trout allowance of 185 kg (Table 4-7.1).
- Known commercial harvest consisted almost entirely of lake whitefish, chub and lake trout in this area in 2000.

Table 4-7.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 4-7, in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	Unlimited	34	--	34	38
Chub	53,227	15,694	29.5	15,694	49,821
Lake Sturgeon	0	0	0.0	0	0
Lake Trout	929	2,761	297.2	2,761	4,686
Lake Whitefish	76,979	41,759	54.2	41,759	111,394
Northern Pike	225	20	8.9	20	0
Walleye	425	128	30.1	128	586
Yellow Perch	882	0	0.0	0	0
Sub Total	132,667	60,396		60,396	166,525
Chinook Salmon		5		5	0
Pink Salmon		4		4	0
Total	132,667	60,405		60,405	166,525

LAKE WHITEFISH

- Quota was 76,979 kg (Figure 4-7.1).
- Known commercial harvest was 41,759 kg in 2000.

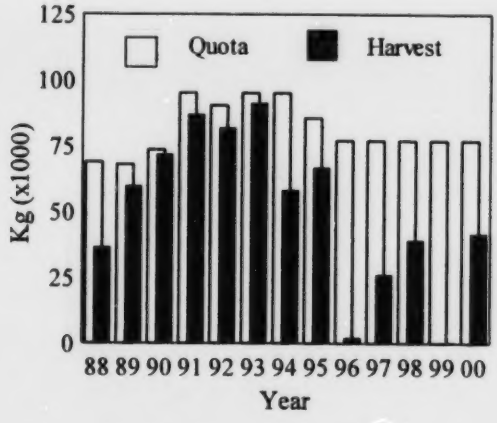


Figure 4-7.1. Lake whitefish quota and harvest (kg) for management area 4-7.

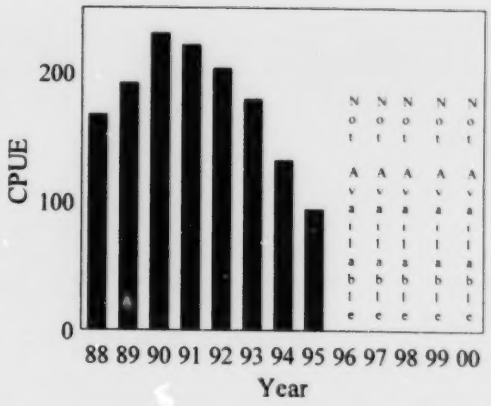


Figure 4-7.2. Lake whitefish gill net CPUE (kg/km) for management area 4-7.

Table 4-7.2. Lake whitefish catch from targeted effort, quota, targeted effort, and CPUE for management area 4-7.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	34788	N/A	N/A	410.6	78.4
1984	20243	76401	26.5	240.7	85.4
1985	48705	76401	63.7	259.1	156.1
1986	49133	76401	64.3	274.0	175.4
1987	76638	74038	103.5	727.9	105.3
1988	36614	68816	53.2	219.0	167.2
1989	59893	67909	88.2	312.4	191.7
1990	71889	73518	97.8	312.0	230.4
1991	86994	95084	91.5	392.7	221.5
1992	81909	90399	90.6	402.8	203.3
1993	91314	95037	96.1	509.0	179.4
1994	58237	85514	68.1	441.1	132.0
1995	66673	85966	77.6	706.7	94.3
1996	2193	40772	5.4	12.5	175.4
1997	na	76980	na	na	na
1998	na	76979	na	na	na
1999	na	76979	na	na	na
2000	na	76979	na	na	na

CHUB

- Quota was 53,227 kg (Figure 4-7.5).
- Known commercial harvest was 15,694 in 2000.

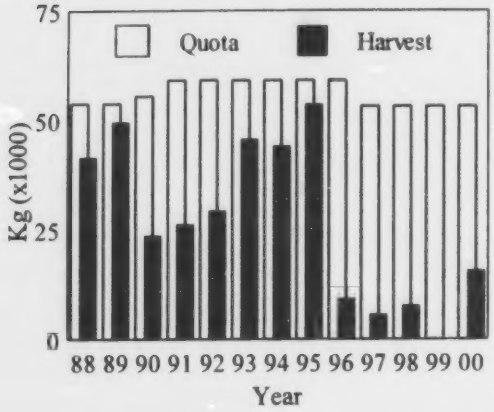


Figure 4-7.3. Chub quota and harvest (kg) for management area 4-7.

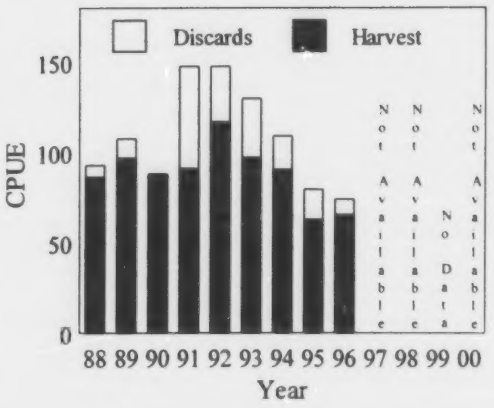


Figure 4-7.4. Chub (harvest+discards) gill net CPUE (kg/km) for management area 4-7. CPUE corrected for discards..

Table 4-7.3. Chub catch from targeted effort, quota, targeted effort, and CPUE for management area 4-7.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km) Catch	Discards
1983	5457	N/A	N/A	116.8	45.4	
1984	42954	38946	110.3	556.2	78.3	
1985	33275	44788	74.3	435.4	67.5	
1986	32145	54092	59.4	394.1	81.6	9.2
1987	39352	53967	72.9	591.0	66.5	5.8
1988	41537	53764	77.3	480.9	86.4	6.4
1989	49596	53764	92.2	512.5	96.8	10.7
1990	23691	55463	42.7	269.6	87.9	N/A
1991	26283	59141	44.4	288.4	91.1	56.4
1992	29416	59151	49.7	251.8	116.8	30.7
1993	45711	59141	77.3	470.7	97.1	32.7
1994	44169	52791	83.7	488.3	90.5	18.4
1995	53739	56873	94.5	855.1	62.8	16.6
1996	11099	39543	28.1	169.6	65.4	8.6
1997	na	53227	na	na	na	na
1998	na	53227	na	na	na	na
1999	na	53227	na	na	na	na
2000	na	53227	na	na	na	na

GEORGIAN BAY

GENERAL

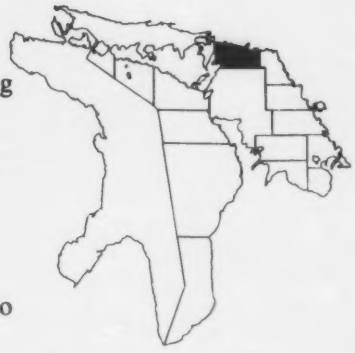
- Total quota (including lake trout and lake whitefish allowance) issued on commercial fishing licences and other allocations in Georgian Bay was 931,024 (Table 5.1).
- Harvest of all fish species under quota control decreased to 606,789 kg. Estimated value of the harvest of species under quota control decreased to $1,558,031.
- Total harvest and estimated value of all fish species was 623,510 kg and $1,570,245 respectively (Table 5.1). An additional 34,384 kg of fish of no commercial value was reported caught.

Table 5.1. Quota, harvest, percent quota taken, catch, and estimated value by species for Georgian Bay in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	908	3	0.3	20	0
Chub	404,470	89,745	22.2	89,854	276,999
Lake Sturgeon	1,408	534	37.9	2,600	2,376
Lake Trout	28,175	86,892	308.4	97,921	80,079
Lake Whitefish	446,568	422,411	94.6	422,600	1,171,589
Northern Pike	3,721	419	11.3	462	656
Walleye	10,006	6,751	67.5	6,963	26,332
Yellow Perch	35,768	34	0.1	34	0
Sub-Total	931,024	606,789		620,454	1,558,031
Brown Trout		2		10	0
Burbot		4		10,350	0
Chinook Salmon		10		445	0
Coho Salmon		39		39	0
Common Carp		0		982	0
Gizzard Shad		0		23	0
Lake Herring		5,479		6,392	4,390
Longnose Gar		0		29	0
Muskellunge		0		20	0
Pink Salmon		8		8	0
Rainbow Smelt		0		14	0
Rainbow Trout		45		81	0
Round Whitefish		11,126		11,184	7,824
Redhorse Suckers		0		27	0
Smallmouth Bass		8		47	0
Suckers		0		7,789	0
Total	931,024	623,510		657,894	1,570,245

MANAGEMENT AREA 5-1

GENERAL



- Quota issued on commercial fishing licences was 127,331 kg, including a lake trout allowance of 1,936 kg, and a lake whitefish allowance of 24,000 kg (Table 5-1.1).
- Harvest of all fish species under quota control decreased to 56,700 kg (Table 5-1.1). Estimated value of fish under quota control decreased to $131,615.
- Harvest and estimated value of all species sold was 68,609 kg and $140,234 respectively (Table 5-1.1). An additional 171 kg of fish of no commercial value was reported caught.

Table 5-1.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 5-1 in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	0	0	0.0	0	0
Chub	17,052	167	1.0	167	523
Lake Sturgeon	637	11	1.7	11	70
Lake Trout	4,418	6,530	147.8	6,694	9,213
Lake Whitefish	89,722	48,701	54.3	48,701	117,027
Northern Pike	1,632	69	4.2	69	147
Walleye	1,971	1,222	62.0	1,222	4,635
Yellow Perch	11,899	0	0.0	0	0
Sub-Total	127,331	56,700		56,864	131,615
Lake Herring		819		819	795
Muskellunge		0		7	0
Round Whitefish		11,090		11,090	7,824
Total	127,331	68,609		68,780	140,234

LAKE WHITEFISH

- The quota issued was 65,722 kg (Figure 5-1.1). An additional temporary allowance of 24,000 kg was available for a total allowable harvest of 89,722 kg.
- The harvest decreased 16% to 48,701 kg, 74% of the quota and 54% of the total allowable harvest (Figure 5-1.1).
- Gill net effort decreased to 443 km (Table 5-1.2).
- CPUE decreased to 110 kg/km (Figure 5-1.2).

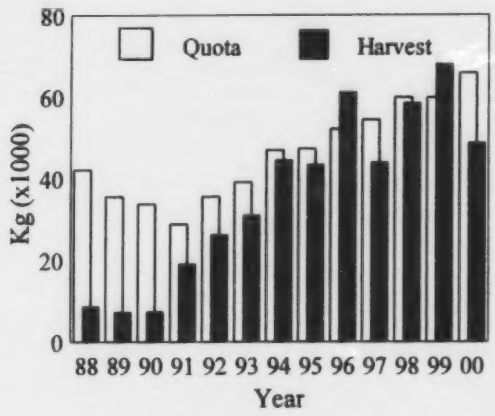


Figure 5-1.1. Lake whitefish quota and harvest (kg) for management area 5-1.

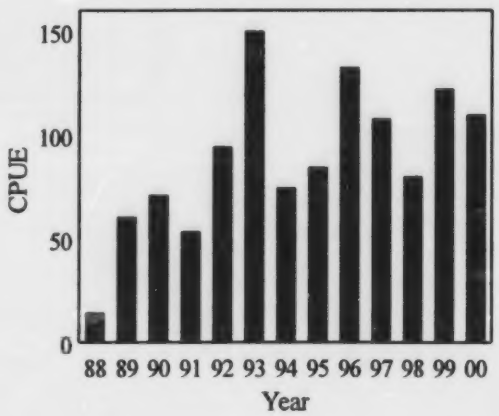


Figure 5-1.2. Lake whitefish gill net CPUE (kg/km) for management area 5-1.

Table 5-1.2. Lake whitefish catch from targeted effort, quota, targeted effort, and CPUE for management area 5-1.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	6517	N/A	N/A	462.5	9.9
1984	9593	49037	19.6	193.7	44.8
1985	17974	49037	36.7	363.0	49.7
1986	28899	49037	58.9	448.2	63.8
1987	11944	41836	28.5	393.8	29.8
1988	8717	42114	20.7	594.0	14.4
1989	7370	35509	20.8	121.9	60.5
1990	7461	33722	22.1	105.1	71.0
1991	19056	28741	66.3	357.0	53.4
1992	26237	35526	73.9	278.1	94.3
1993	31025	39075	79.4	206.7	150.1
1994	44521	46891	94.9	581.4	76.6
1995	43442	47285	91.9	515.0	84.4
1996	58069	52014	111.6	438.4	132.5
1997	43886	54316	80.8	406.8	107.9
1998	53866	59747	90.2	675.7	79.7
1999	67917	59747	113.7	556.2	122.1
2000	48536	65722	73.9	442.6	109.7

CHUB

- The quota was 17,052 kg.
- The harvest decreased to 167 kg, 1% of the quota (Figure 5-1.3).
- Effort decreased to 9.6 km (Table 5-1.3).
- CPUE (harvest) decreased to 17.4 kg/km (Figure 5-1.4).

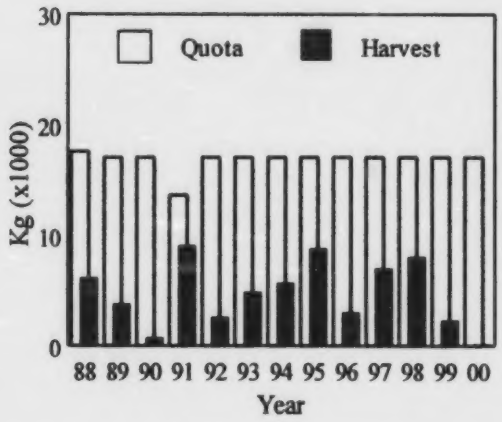


Figure 5-1.3. Chub quota and harvest (kg) for management area 5-1.

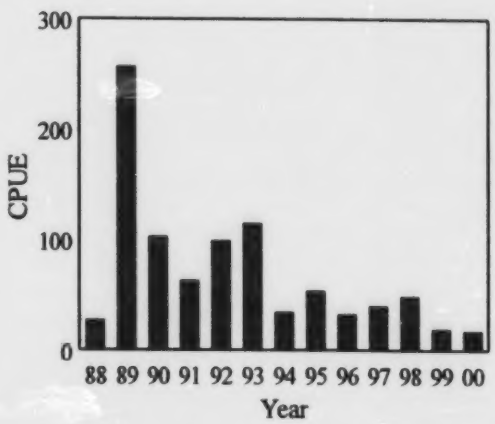


Figure 5-1.4. Chub gill net CPUE (kg/km) for management area 5-1.

Table 5-1.3. Chub catch from targeted effort, quota, targeted effort, and CPUE for management area 5-1.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	1464	N/A	N/A	60.9	21.1
1984	4529	18004	25.2	139.8	31.6
1985	4697	20704	22.7	48.1	98.3
1986	12490	17553	71.2	285.8	44.0
1987	9290	17468	53.2	243.2	37.7
1988	6166	17599	35.0	226.1	27.3
1989	3799	17052	22.3	14.8	256.7
1990	752	17052	4.4	7.3	102.8
1991	9094	13654	66.6	144.4	63.0
1992	2620	17056	15.4	26.5	98.9
1993	4880	17052	28.6	42.5	114.7
1994	5704	17052	33.4	165.9	34.4
1995	8756	17052	51.4	163.1	53.7
1996	2940	17052	17.2	89.8	32.7
1997	6452	17052	41.2	160.9	40.1
1998	8032	17052	47.1	163.1	49.2
1999	2161	17052	12.7	112.7	19.2
2000	167	17052	1.0	9.6	17.4

LAKE TROUT

- Quota was 2,482 kg. An additional lake trout allowance of 1,936 kg was also available to the fishery for a total allowable harvest of 4,418 kg (Table 5-1.1).
- Harvest decreased to 6,530 kg, 263% of the quota (Figure 5-1.5). This harvest was 148% of the total allowable harvest.

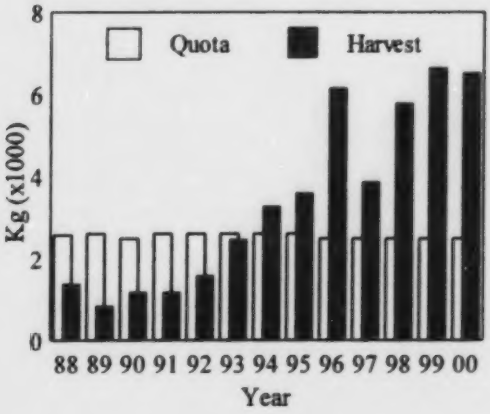


Figure 5-1.5. Lake trout quota and harvest (kg) for management area 5-1.

Table 5-1.4. Lake trout harvest and quota for management area 5-1.

Year	Harvest (kg)	Quota (kg)	Percent Taken
1983	271	N/A	N/A
1984	822	1588	51.8
1985	2286	1588	144.0
1986	2591	2672	97.0
1987	1187	2562	46.3
1988	1387	2562	54.1
1989	845	2596	32.6
1990	1180	2482	47.5
1991	1187	2596	45.7
1992	1585	2596	61.0
1993	2468	2596	95.1
1994	3269	2596	125.7
1995	3598	2596	138.6
1996	5134	2596	197.8
1997	3874	2482	156.1
1998	5794	2482	233.4
1999	6652	2482	268.0
2000	6530	2482	263.1

MANAGEMENT AREA 5-1 - LAKE TROUT

MANAGEMENT AREA 5-2

GENERAL

- Quota issued on commercial fishing licences was 92,724 kg, including a lake trout allowance of 1,857 kg, and a lake whitefish allowance of 14,000 kg (Table 5-2.1).
- Harvest of all fish species under quota control decreased to 41,186 kg (Table 5-2.1). Estimated value of these fish decreased to $106,823.
- Harvest and estimated value of all species sold was 44,283 kg and $109,187 respectively (Table 5-2.1). An additional 8,616 kg of fish of no commercial value was reported caught.

Table 5-2.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 5-2 in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	0	3	--	3	0
Chub	29,163	3,829	13.1	3,829	11,819
Lake Sturgeon	46	4	8.7	84	18
Lake Trout	1,857	7,556	406.9	9,527	6,663
Lake Whitefish	55,804	25,325	45.4	25,361	71,463
Northern Pike	500	274	54.8	318	399
Walleye	4,566	4,195	91.9	4,394	16,461
Yellow Perch	788	0	0.0	0	0
Sub-Total	92,724	41,186		43,516	106,823
Brown Trout		0		4	0
Burbot		2		2,152	0
Chinook Salmon		1		101	0
Common Carp		0		543	0
Lake Herring		3,064		3,811	2,364
Pink Salmon		8		8	0
Rainbow Trout		14		16	0
Round Whitefish		0		14	0
Smallmouth Bass		8		16	0
Suckers		0		2,718	0
Total	92,724	44,283		52,899	109,187

LAKE WHITEFISH

- The quota was 41,804 kg (Figure 5-2.1), with an additional temporary allowance of 14,000 kg for a total allowable harvest of 55,804 kg.
- The harvest decreased to 25,325 kg, 60.6% of the quota (Figure 5-2.1), and 45.4% of the total allowable harvest.
- Gill net effort decreased to 317 km (Table 5-2.2).
- CPUE decreased to 79.9 kg/km (Figure 5-2.2).

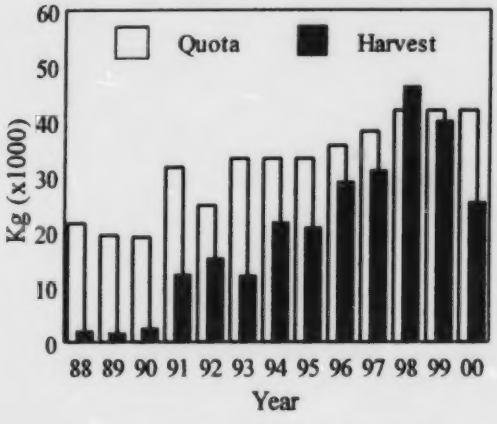


Figure 5-2.1. Lake whitefish quota and harvest (kg) for management area 5-2.

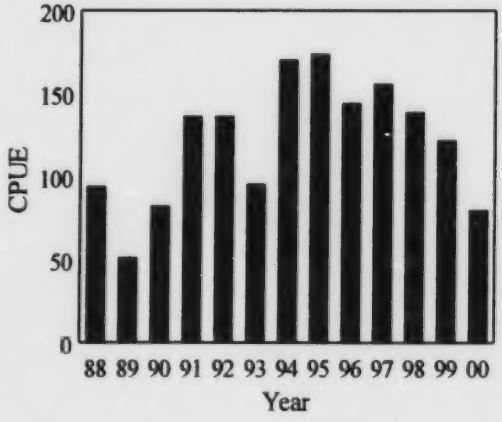


Figure 5-2.3. Lake whitefish gill net CPUE (kg/km) for management area 5-2.

Table 5-2.2. Lake whitefish catch from targeted effort, quota, targeted effort, and CPUE for management area 5-2.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	6360	N/A	N/A	157.7	40.2
1984	9488	22612	42.0	154.4	61.4
1985	7239	22612	32.0	201.8	34.7
1986	2532	21354	11.9	69.5	37.5
1987	2507	21398	11.7	74.7	31.4
1988	2108	21398	9.9	21.9	94.0
1989	1683	19258	8.7	33.2	51.3
1990	2553	18901	13.5	31.0	82.2
1991	12278	31550	38.9	90.0	136.4
1992	15202	24649	61.7	111.5	136.3
1993	12074	33136	36.4	126.5	95.4
1994	21728	33137	65.5	127.5	170.3
1995	20408	33137	72.6	117.4	173.8
1996	28624	35453	80.7	198.1	144.5
1997	30861	38003	81.9	197.7	156.1
1998	45166	41804	108.0	324.8	139.1
1999	39502	41804	94.5	324.0	121.9
2000	25305	41804	60.5	316.9	79.9

CHUB

- The quota issued was 29,163 kg.
- The harvest decreased to 3,829 kg, 13% of the quota (Figure 5-2.4).
- Effort decreased to 138 km (Table 5-2.3).
- CPUE (harvest) decreased to 27 kg/km (Figure 5-2.5).

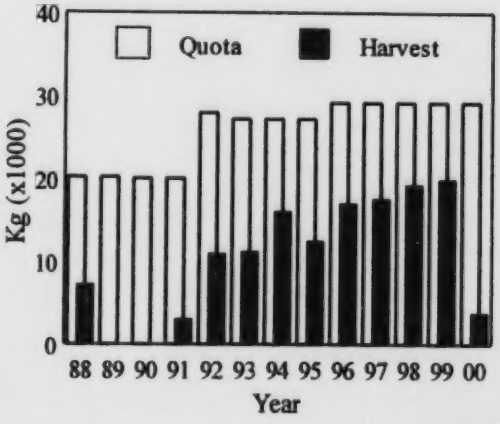


Figure 5-2.4. Chub quota and harvest (kg) for management area 5-2.

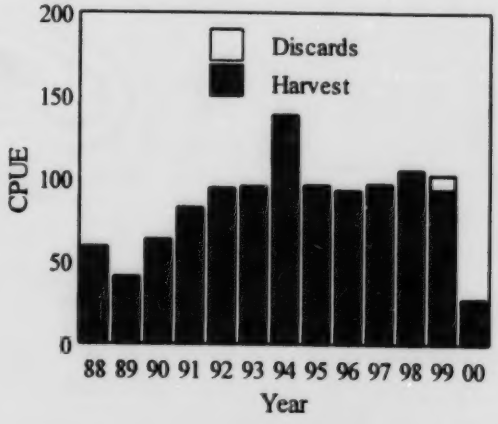


Figure 5-2.5. Chub gill net CPUE (kg/km) for management area 5-2.

Table 5-2.3. Chub catch from targeted effort, quota, targeted effort, and CPUE for management area 5-2.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km) Catch	Discards
1983	0	N/A	N/A	0.0	0.0	
1984	8583	17270	49.7	59.5	141.9	
1985	11838	20120	58.8	90.8	101.8	
1986	10754	17270	62.3	159.9	67.5	
1987	8139	19841	41.0	123.7	65.8	
1988	7260	20163	36.0	124.4	58.4	
1989	109	20163	0.5	2.7	40.4	
1990	92	20001	0.5	1.5	62.9	
1991	3095	20000	15.5	37.7	82.1	
1992	11007	27904	40.0	117.8	93.4	
1993	11246	27163	41.4	118.4	95.0	
1994	16066	27163	59.1	116.3	138.1	
1995	12335	27163	45.4	128.8	95.8	
1996	17452	29163	59.8	188.3	92.7	
1997	17369	29163	60.4	179.6	96.7	
1998	18793	29163	64.4	178.7	105.2	
1999	19924	29163	68.3	213.2	93.4	8.6
2000	3776	29163	12.9	138.4	27.3	na

WALLEYE

- The issued quota was 4,566 kg.
- The harvest increased to 4,195 kg, 92% of the quota (Figure 5-2.6).
- Total targeted effort increased to 55 km (Table5-2.4).
- CPUE increased to 68 kg/km (Figure 5-2.7).

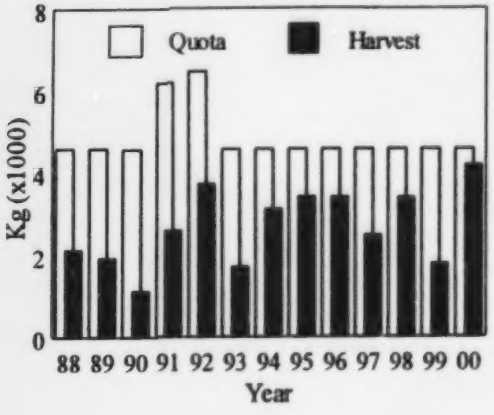


Figure 5-2.6. Walleye quota and harvest (kg) for management area 5-2.

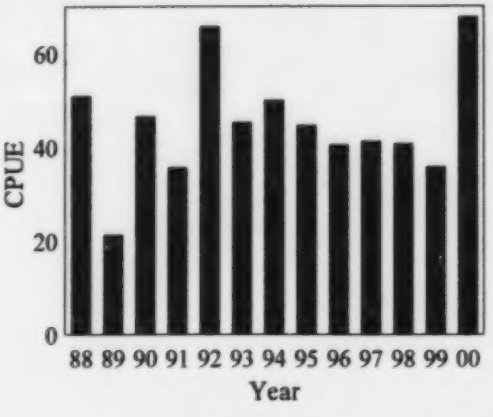


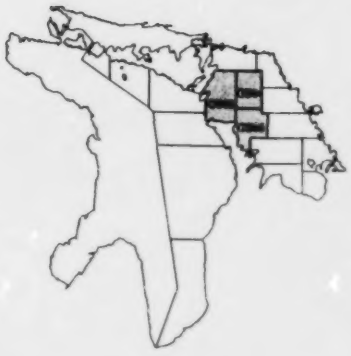
Figure 5-2.7. Walleye gill net CPUE (kg/km) for management area 5-2.

Table 5-2.4. Walleye catch from targeted effort, quota, targeted effort, and CPUE for management area 5-2.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	6671	N/A	N/A	237.4	28.1
1984	3443	5002	68.8	138.8	24.8
1985	1878	5002	37.5	105.5	17.8
1986	1981	4551	43.5	78.0	25.4
1987	2014	4561	44.2	92.4	21.8
1988	2144	4591	46.7	42.1	50.9
1989	1940	4591	42.3	91.1	21.3
1990	1133	4568	24.8	24.3	46.6
1991	2606	6192	42.1	73.2	35.6
1992	3739	6466	60.9	56.9	65.7
1993	1722	4566	37.7	38.0	45.3
1994	3131	4566	68.6	62.6	50.0
1995	3222	4566	70.6	72.2	44.6
1996	3243	4566	71.0	80.1	40.5
1997	1982	4566	54.5	48.0	41.3
1998	3156	4566	69.1	77.5	40.7
1999	1496	4566	32.8	41.8	35.8
2000	3715	4566	81.4	54.8	67.8

MANAGEMENT AREA 5-3

GENERAL



- Total quota was 269,908 kg, including a lake whitefish allowance of 16,000 kg. There was no temporary lake trout allowance.
- Harvest of all fish species decreased to 92,997 kg (Table 5-3.1). Estimated value of these fish was $201,812.
- An additional 2,349 kg of fish of no commercial value was reported caught.

Table 5-3.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 5-3 in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	908	0	0.0	0	0
Chub	204,286	17,836	8.7	17,944	55,048
Lake Sturgeon	0	0	0.0	0	0
Lake Trout	2,706	33,395	1,234.1	34,103	29,448
Lake Whitefish	59,182	41,532	70.2	41,532	117,199
Northern Pike	414	0	0.0	0	0
Walleye	0	0	0.0	0	0
Yellow Perch	2,412	0	0.0	0	0
Sub-Total	269,908	92,763		93,579	201,695
Brown Trout		2		2	0
Burbot		2		980	0
Chinook Salmon		8		274	0
Coho Salmon		39		39	0
Lake Herring		152		217	117
Rainbow Trout		31		31	0
Round Whitefish		0		12	0
Suckers		0		212	0
Total	269,908	92,997		95,346	201,812

LAKE WHITEFISH

- The quota issued was 43,182 kg (Figure 5-3.1), with an additional temporary allowance of 16,000 kg for a total allowable harvest of 59,182 kg.
- The harvest decreased to 41,532 kg, 96% of the quota (Figure 5-3.1), and 70% of the total allowable harvest. All of the non-aboriginal harvest came from area GB03 (Figure 5-3.2).
- Non-aboriginal gill net effort in GB03 decreased to 91 km (Table 5-3.2) while CPUE increased to 143 kg/km (Figure 5-3.2).

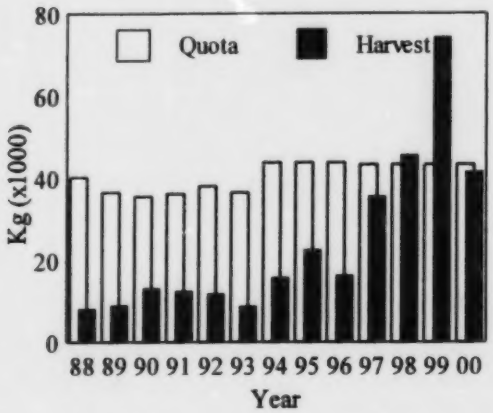


Figure 5-3.1. Lake whitefish quota and harvest (kg) for management area 5-3

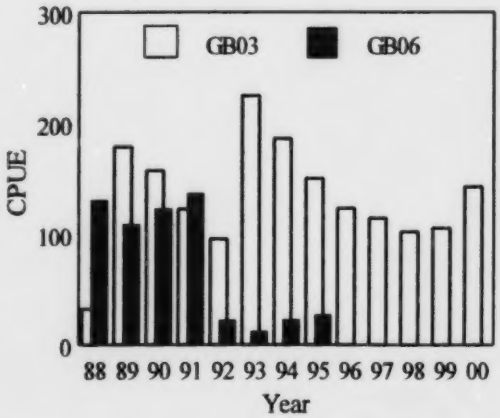


Figure 5-3.2. Lake whitefish annual gill net CPUE (kg/km) by subarea for management area 5-3.

Table 5-3.2. Lake whitefish catch from targeted effort, quota, targeted effort, and CPUE for management area 5-3.

Year	Targeted Catch (kg)				Quota (kg)	Percent Taken	Targeted Gill Effort (km)			CPUE (kg/km)	
	GB03	GB04	GB06	Total			GB03	GB06	Total	GB03	GB06
1983	2679	0	263	2942	N/A	N/A	41.8	10.2	52.0	64.1	25.8
1984	9026	0	324	9350	30120	31.0	71.6	8.9	80.5	121.8	36.4
1985	29541	10	2815	32366	30120	107.5	380.1	44.0	424.1	77.7	64.0
1986	23729	0	2700	26429	31881	82.9	253.1	67.7	320.8	86.8	39.5
1987	15916	107	1192	17215	39946	43.1	202.6	32.1	234.7	78.6	37.1
1988	5800	1	2368	8169	40197	20.3	179.9	18.1	198.0	32.2	130.8
1989	6872	0	2125	8997	36508	24.6	38.5	19.5	58.0	178.5	109.0
1990	10981	45	2127	13153	35440	37.1	69.9	17.3	87.2	157.2	123.1
1991	10311	0	2176	12487	36066	34.6	84.1	15.9	100.0	122.6	136.9
1992	10898	0	949	11847	37947	31.2	114.1	42.5	156.6	95.5	22.3
1993	8613	0	184	8797	36430	24.1	38.3	15.1	53.4	224.9	12.2
1994	15625	0	290	15915	43717	36.4	83.9	12.8	96.7	186.2	22.7
1995	16332	0	150	16482	41455	39.8	108.6	5.5	114.1	150.4	27.3
1996	14597	0	699	15296	38687	39.5	118.5	1.9	120.4	123.2	367.9
1997	12070	0	na	12070	43182	82.3	105.7	na	na	114.2	na
1998	12868	0	na	12868	43182	29.8	125.7	na	na	102.4	na
1999	28751	0	na	28751	43182	66.6	273.1	na	273.1	105.3	na
2000	12893	0	na	12893	43182	29.9	90.5	na	na	142.5	na

CHUB

- The quota issued was 204,286 kg.
- Harvest decreased to 17,836 kg, 9% of the quota (Figure 5-3.3).
- Non-aboriginal effort decreased to 185 km (Table 5-3.3).
- The CPUE of non-aboriginal harvested chub in GB03 and GB04 decreased to 5.3 kg/km and 24.9 kg/km respectively (Figure 5-3.4). Total non-aboriginal CPUE decreased to 22.0 kg/km (Table 5-3.3).

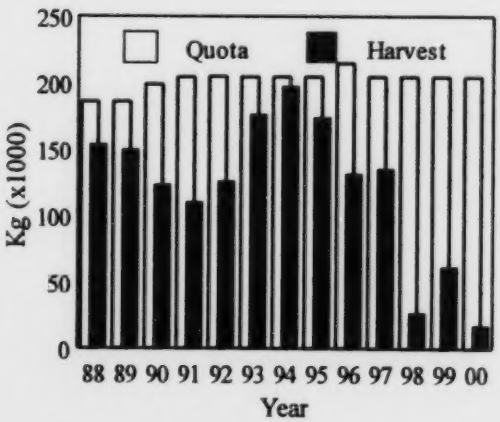


Figure 5-3.3 Chub quota and harvest (kg) for management area 5-3.

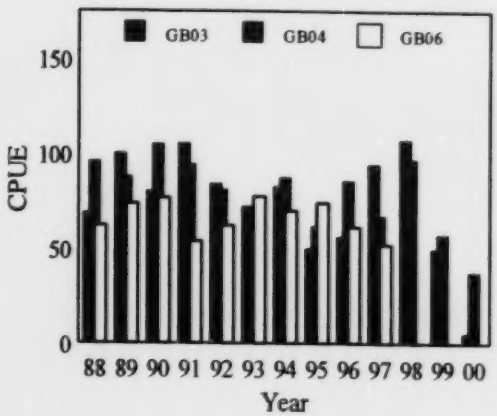


Figure 5-3.4. Chub annual gill net CPUE (kg/km) by subarea for management area 5-3.

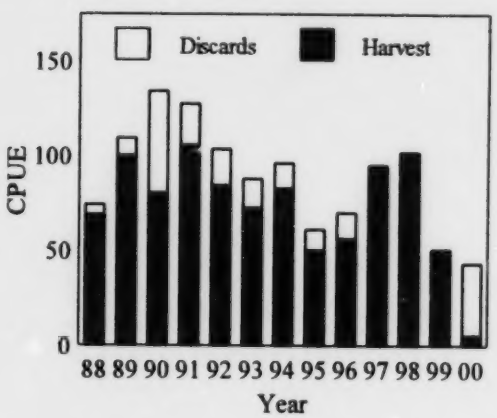


Figure 5-3.5. Chub (harvest + discards) gill net CPUE (kg/km) for GB03 (subarea of management area 5-3). CPUE corrected for observed discards.

Table 5-3.3. Chub catch from targeted effort, quota, targeted effort, and CPUE for management area 5-3.

Year	Targeted Catch (kg)				Quota	%	Targeted Gill Effort (km)				Gill CPUE (kg/km)			
	GB03	GB04	GB06	Total	(kg)	Taken	GB03	GB04	GB06	Total	GB03 Catch	GB03 Discard	GB04 Catch	GB06 Catch
1983	36101	17283	45477	98861	N/A	N/A	691.6	426.1	1356.8	2474.5	52.2		40.6	33.5
1984	50760	19340	60016	130116	182268	71.4	608.1	173.0	589.5	1370.6	83.4		111.8	101.8
1985	68764	11704	84901	165369	182268	90.7	802.4	83.4	797.4	1683.2	85.7		140.3	106.5
1986	47239	18150	64399	129788	182268	71.2	740.7	185.2	765.2	1691.1	63.8	12.2	98.0	84.2
1987	36063	20662	45287	102012	185787	54.9	542.0	172.6	691.3	1405.9	66.5	8.8	119.7	65.5
1988	53956	31826	67785	153567	185787	82.7	783.7	331.8	1093.4	2208.9	68.8	5.3	95.9	62.0
1989	66617	9665	73453	149735	185787	80.6	665.8	109.8	997.8	1773.4	100.1	9.2	88.0	73.6
1990	56829	5755	60718	123302	198722	62.0	707.5	54.9	791.4	1553.8	80.3	53.8	104.9	76.7
1991	49187	4324	56743	110254	204286	54.0	466.5	45.8	1054.5	1566.8	105.4	22.0	94.4	53.8
1992	56100	12159	57692	125951	204770	61.5	666.3	149.5	930.4	1746.2	84.2	19.3	81.3	62.0
1993	71153	27515	77512	176180	204286	86.2	981.6	391.8	1002.5	2375.9	72.4	15.4	70.2	77.3
1994	84577	36974	80362	201913	204286	98.8	1023.3	422.8	1150.9	2597.0	82.7	13.4	87.5	69.8
1995	55860	57776	66140	179776	204286	88.0	1113.2	933.6	894.1	2940.9	50.2	10.9	61.9	74.0
1996	38509	13179	83995	135683	214638	63.2	683.4	153.7	1367.6	2204.7	56.3	13.5	85.7	61.4
1997	33880	19066	78426	131372	204286	66.3	358.9	283.4	1503.1	2145.4	94.4	0.0	67.3	52.1
1998	9416	12454	na	21870	204286	10.7	87.8	128.2	na	216.0	107.2	na	97.1	na
1999	9149	6791	na	15940	204286	7.8	182.9	117.9	na	300.8	50.0	na	57.6	na
2000	154	3887	na	4041	204286	2.0	28.8	155.9	na	184.7	5.3	37.8	24.9	na

LAKE TROUT

- The quota was 2,706 kg. There was no additional temporary allowance (Table 5-3.1).
- The harvest increased to 33,395 kg, 1,234% of the quota (Figure 5-3.6).
- Non-aboriginal CPUE information for 2000 is presented in Figure 5-3.7, where GB03 data is from lake whitefish nets and GB04 data is from chub nets.

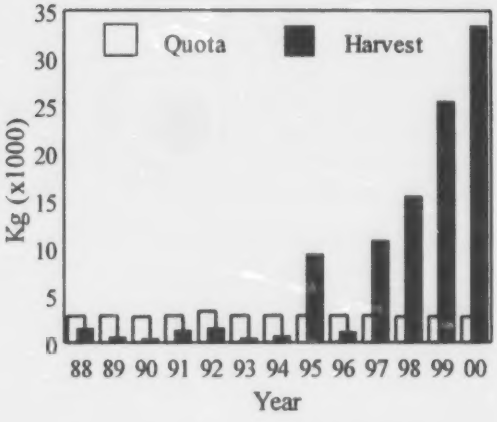


Figure 5-3.6. Lake trout/backcross quota and harvest (kg) for management area 5-3.

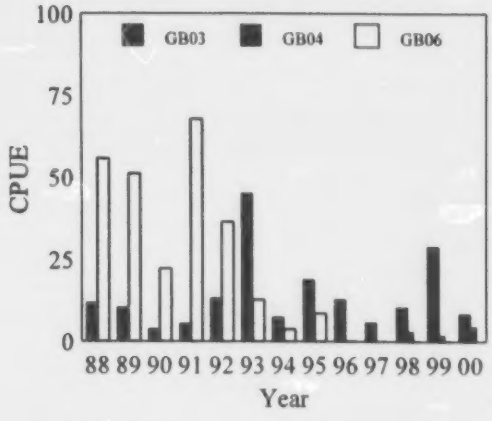


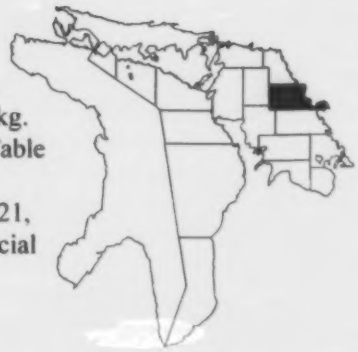
Figure 5-3.7. Lake trout/backcross gill net CPUE (kg/km) for management area 5-3.

Table 5-3.4. Lake trout harvest and quota for management area 5-3.

Year	Harvest (kg)				Quota	Percent
	GB03	GB04	GB06	Total	(kg)	Taken
1983	6	0	0	6	N/A	N/A
1984	0	0	0	0	4377	0.0
1985	252	0	1566	1818	4377	41.5
1986	1545	0	1520	3065	5044	60.8
1987	1332	0	1194	2526	2786	90.7
1988	525	0	1015	1540	2786	55.3
1989	42	0	568	610	2820	21.6
1990	137	0	292	429	2706	15.9
1991	226	0	1078	1304	2820	46.2
1992	36	0	1516	1552	3275	48.2
1993	318	0	192	510	2820	18.1
1994	203	46	509	758	2820	26.7
1995	496	29	840	1365	2820	48.4
1996	892	0	19	911	2820	41.3
1997	10771	0	--	10771	2706	398.0
1998	96	330	na	426	2706	15.7
1999	7929	235	na	8164	2706	301.7
2000	na	na	na	33395	2706	1234.1

MANAGEMENT AREA 5-4

GENERAL



- Quota issued on commercial fishing licences was 42,454 kg, including a lake trout allowance of 113 kg, and a lake whitefish allowance of 8,000 kg.
- Harvest of all fish species under quota control decreased to 15,868 kg (Table 5-4.1). Estimated value of these fish decreased to $40,792.
- Harvest and estimated value of all species sold was 16,035 kg and $40,921, respectively (Table 5-4.1). An additional 3,547 kg of fish of no commercial value was reported caught.

Table 5-4.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 5-4 in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	0	0	0.0	0	0
Chub	18,000	4,684	26.0	4,684	14,458
Lake Sturgeon	0	0	0.0	0	0
Lake Trout	113	2,718	2,405.3	5,544	2,397
Lake Whitefish	21,328	8,426	39.5	8,427	23,778
Northern Pike	0	0	0.0	0	0
Walleye	159	40	25.2	43	159
Yellow Perch	2,854	0	0.0	0	0
Sub-Total	42,454	15,868		18,698	40,792
Burbot		0		486	0
Chinook Salmon		0		14	0
Lake Herring		167		185	129
Suckers		0		199	0
Total	42,454	16,035		19,582	40,921

LAKE WHITEFISH

- The quota issued was 13,328 kg (Figure 5-4.1), with an additional temporary allowance of 8,000 kg for a total allowable harvest of 21,328 kg.
- The harvest decreased to 8,426 kg, 63% of the quota (Figure 5-4.1), and 40% of the total allowable harvest.
- Gill net effort decreased to 49 km (Table 5-4.2).
- CPUE increased to 171 kg/km (Figure 5-4.2).

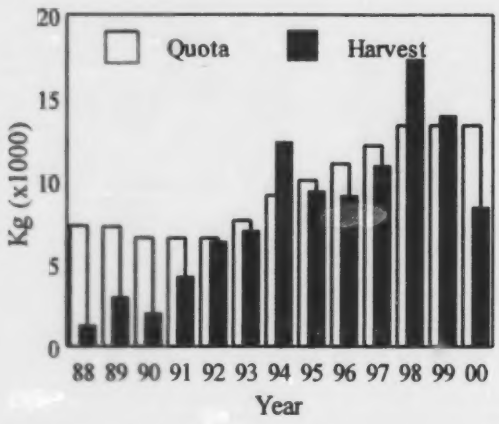


Figure 5-4.1. Lake whitefish quota and harvest (kg) for management area 5-4.

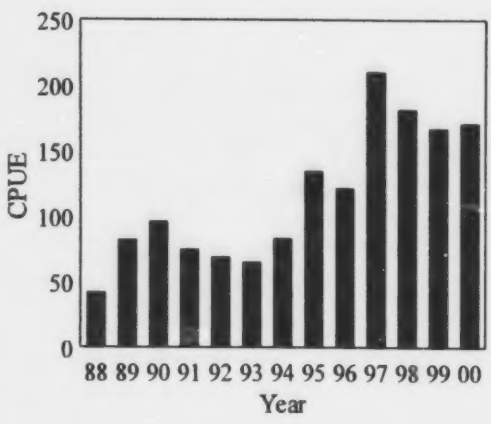


Figure 5-4.2. Lake whitefish gill net CPUE (kg/km) for management area 5-4.

Table 5-4.2. Lake whitefish catch from targeted effort, quota, targeted effort, and CPUE for management area 5-4.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	1293	N/A	N/A	58.6	20.6
1984	291	5733	5.1	4.5	59.3
1985	587	5733	10.2	3.8	155.3
1986	714	5958	12.0	16.4	43.7
1987	3415	7225	47.3	50.3	67.9
1988	1303	7273	17.9	30.2	42.0
1989	2997	7220	41.5	36.5	82.1
1990	2019	6544	30.9	21.0	96.2
1991	4220	6538	64.5	56.3	75.0
1992	6345	6521	97.3	92.0	69.0
1993	7015	7586	92.5	107.4	65.3
1994	12362	9103	135.8	148.5	83.2
1995	9373	10013	93.6	69.6	134.7
1996	9081	11014	82.5	74.6	121.7
1997	10924	12116	90.2	51.8	210.7
1998	17337	13328	130.1	95.0	182.5
1999	13941	13328	104.6	83.2	167.6
2000	8427	13328	63.2	49.2	171.3

CHUB

- Quota was 18,000 kg.
- Harvest decreased to 4,684 kg, 26% of the quota (Figure 5-4.3).
- Effort decreased to 125 km (Table 5-4.3).
- CPUE decreased to 38 kg/km (Figure 5-4.4).

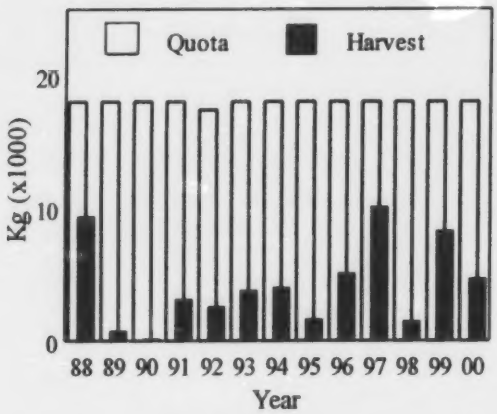


Figure 5-4.3. Chub quota and harvest (kg) for management area 5-4.

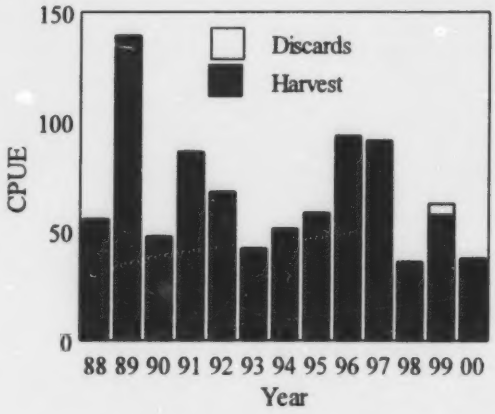


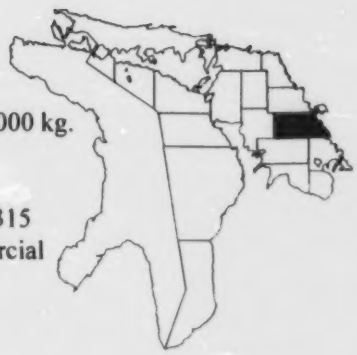
Figure 5-4.4. Chub gill net CPUE (kg/km) for management area 5-4.

Table 5-4.3. Chub catch from targeted effort, quota, targeted effort, and CPUE for management area 5-4.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km) Catch	Discards
1983	900	N/A	N/A	71.7	12.6	
1984	4746	13518	35.1	24.0	199.0	
1985	5835	15546	37.5	47.6	85.6	
1986	2901	13518	21.5	47.7	61.2	
1987	5252	17884	29.4	68.3	76.9	
1988	9368	18000	52.0	169.2	55.4	
1989	779	18000	4.3	5.6	139.1	
1990	169	18000	0.9	3.6	47.4	
1991	3140	18000	17.4	36.5	86.0	
1992	2584	17378	14.9	38.1	67.8	
1993	3812	18000	21.2	56.5	42.0	
1994	4021	18000	22.3	78.7	51.0	
1995	1635	18000	9.1	28.1	58.2	
1996	5141	18000	28.6	55.1	93.3	
1997	10088	18000	56.0	110.6	91.3	
1998	1348	18000	7.5	37.5	35.9	
1999	8425	18000	46.8	146.8	57.4	5.1
2000	4684	18000	26.0	124.7	37.6	na

MANAGEMENT AREA 5-5

GENERAL



- Quota issued on commercial fishing licences was 62,745 kg, including a lake trout allowance of 1,504 kg, and a lake whitefish allowance of 2,000 kg.
- Harvest of all fish species under quota control increased to 34,573 kg (Table 5-5.1). Estimated value of these fish decreased to $81,305.
- Harvest and estimated value of all species sold was 34,586 kg and $81,315 respectively (Table 5-5.1). An additional 7,306 kg of fish of no commercial value was reported caught.

Table 5-5.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 5-5 in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	0	0	0.0	0	0
Chub	30,736	4,942	16.1	4,942	15,253
Lake Sturgeon	0	0	0.0	2	0
Lake Trout	1,504	9,053	601.9	14,000	7,983
Lake Whitefish	23,941	20,578	86.0	20,578	58,069
Northern Pike	0	0	0.0	0	0
Walleye	0	0	0.0	9	0
Yellow Perch	6,564	0	0.0	0	0
Sub-Total	62,745	34,573		39,531	81,305
Burbot		0		1,712	0
Common Carp		0		45	0
Lake Herring		13		96	10
Smallmouth Bass		0		5	0
Suckers		0		503	0
Total	62,745	34,586		41,892	81,315

LAKE WHITEFISH

- The quota was 21,941 kg (Figure 5-5.1), with an additional temporary allowance of 2,000 kg for a total allowable harvest of 23,941 kg.
- The harvest increased to 20,578 kg, 94% of the quota (Figure 5-5.1), and 86% of the total allowable harvest.
- Gill net effort increased to 146 km (Table 5-5.2).
- CPUE decreased to 141 kg/km (Figure 5-5.2).

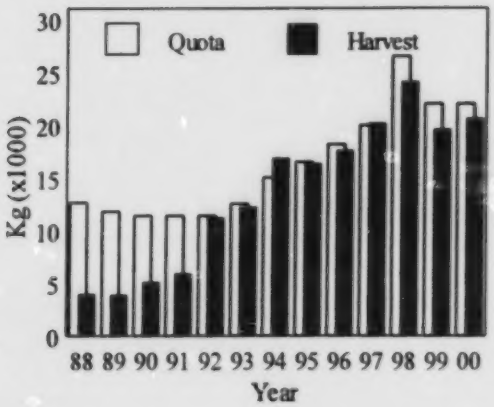


Figure 5-5.1. Lake whitefish quota and harvest (kg) for management area 5-5.

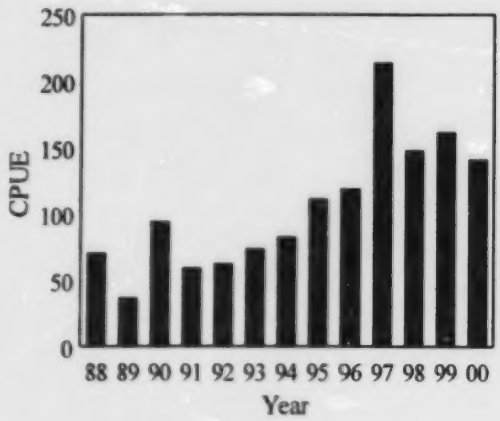


Figure 5-5.2. Lake whitefish gill net CPUE (kg/km) for management area 5-5.

Table 5-5.2. Lake whitefish catch from targeted effort, quota, targeted effort, and CPUE for management area 5-5.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	5490	N/A	N/A	94.9	53.8
1984	4323	6759	64.0	39.3	109.4
1985	6162	6759	91.2	60.3	98.2
1986	9613	8111	118.5	95.6	101.0
1987	7595	10731	70.8	106.4	71.1
1988	3961	12620	31.4	55.7	70.5
1989	3900	11766	33.1	51.2	36.7
1990	5103	11353	44.9	54.1	94.3
1991	5914	11353	52.1	99.8	59.3
1992	11202	11353	98.7	179.3	62.5
1993	12240	12488	98.0	166.3	73.6
1994	16848	14985	112.4	203.7	82.7
1995	16347	16484	99.2	147.0	111.2
1996	17304	18133	95.4	145.3	119.1
1997	20161	19946	101.1	94.2	214.0
1998	23854	26477	90.1	160.7	148.4
1999	19566	21941	89.2	121.1	161.6
2000	20578	21941	93.8	145.8	141.1

CHUB

- Quota issued was 30,736 kg.
- Harvest decreased to 4,942 kg, 16% of the quota (Figure 5-5.3).
- Effort decreased to 116 km (Table 5-5.3).
- CPUE decreased to 43 kg/km (Figure 5-5.4).

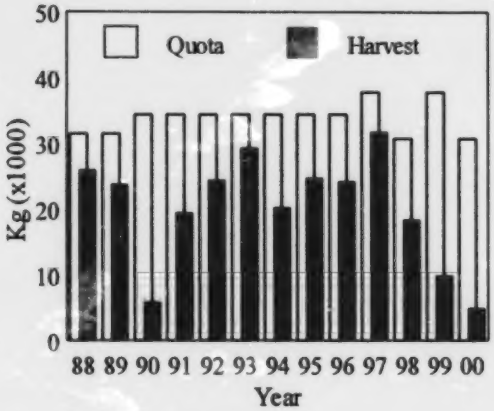


Figure 5-5.3 Chub quota and harvest (kg) for management area 5-5.

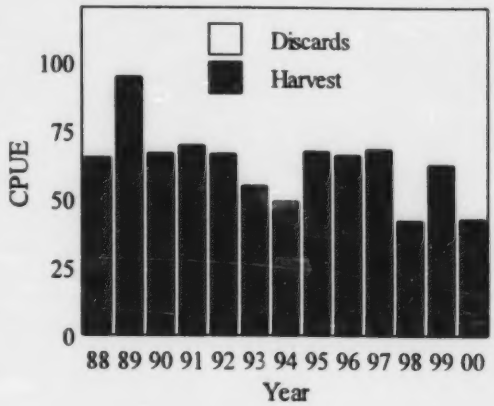


Figure 5-5.4. Chub gill net CPUE (kg/km) for management area 5-5.

Table 5-5.3. Chub catch from targeted effort, quota, targeted effort, and CPUE for management area 5-5.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	14942	N/A	N/A	141.5	91.7
1984	13504	11265	119.9	134.2	101.4
1985	15063	12955	116.3	171.6	88.4
1986	10787	18925	57.0	152.2	66.5
1987	18396	31280	58.8	394.5	46.6
1988	25945	31488	82.4	399.7	64.9
1989	23767	31488	75.5	251.7	94.4
1990	5980	34364	17.4	89.9	66.5
1991	19481	34364	56.7	280.9	69.4
1992	24445	34370	70.1	369.3	66.2
1993	29323	34364	85.3	536.9	54.6
1994	20520	34364	59.7	418.9	49.0
1995	24991	34364	72.7	372.1	67.2
1996	24754	34364	72.0	376.0	65.8
1997	31768	37800	84.0	469.4	67.7
1998	14538	30736	47.3	345.6	42.1
1999	9954	30736	52.4	161.7	61.6
2000	4942	30736	16.1	116.3	42.5

MANAGEMENT AREA 5-6

GENERAL

- Total quota was 90,605 kg, including a lake whitefish allowance of 2,000 kg (Table 5-6.1). There was no lake trout allowance.
- Harvest of all fish species under quota control increased to 103,544 kg (Table 5-6.1). Estimated value of these fish was $283,690.
- An additional 203 kg of fish of no commercial value was reported caught.

Table 5-6.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 5-6 in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	0	0	0.0	0	0
Chub	60,820	37,069	60.9	37,069	114,410
Lake Sturgeon	0	0	0.0	0	0
Lake Trout	4,558	9,439	207.1	9,453	8,324
Lake Whitefish	23,556	57,030	242.1	57,103	160,933
Northern Pike	0	0	0.0	0	0
Walleye	400	6	1.5	6	23
Yellow Perch	1,271	0	0.0	0	0
Sub-Total	90,605	103,544		103,631	283,690
Burbot		0		107	0
Suckers		0		9	0
Total	90,605	103,544		103,747	283,690

LAKE WHITEFISH

- The final quota available to all commercial fisheries was 21,556 kg (Table 5-6.1), with an additional temporary allowance of 2,000 kg for a total allowable harvest of 23,556 kg.
- Total harvest increased to 57,030 kg, 265% of the final quota (Figure 5-6.1), and 242% of the total allowable harvest.

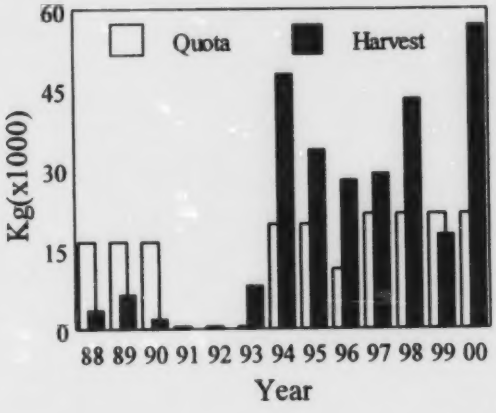


Figure 5-6.1. Lake whitefish quota and harvest (kg) for management area 5-6.

Table 5-6.2. Lake whitefish harvest and quota for management area 5-6.

Year	Harvest (kg)	Quota (kg)	Percent Taken
1983	8450	N/A	N/A
1984	73	7480	1.0
1985	4283	7480	57.3
1986	8137	12211	66.6
1987	9060	16246	55.8
1988	3691	16354	22.6
1989	6572	16354	40.2
1990	1981	16308	12.1
1991	155	408	38.0
1992	165	431	38.3
1993	200	431	46.4
1994	2	517	0.3
1995	648	517	125.3
1996	250	11212	2.2
1997	29187	21556	135.4
1998	43190	21556	200.4
1999	17710	21556	82.2
2000	57030	21556	264.6

MANAGEMENT AREA 5-6 - LAKE WHITEFISH

CHUB

- The total quota available to all commercial fisheries was 60,820 kg (Table 5-6.1).
- Total harvest increased to 37,069 kg, 61% of the final quota (Figure 5-6.2).
- Non-aboriginal effort increased to 432 km (Table 5-6.3).
- Reported CPUE (harvested fish) decreased to 48 kg/km (Figure 5-6.3). The discard component was 4 kg/km.

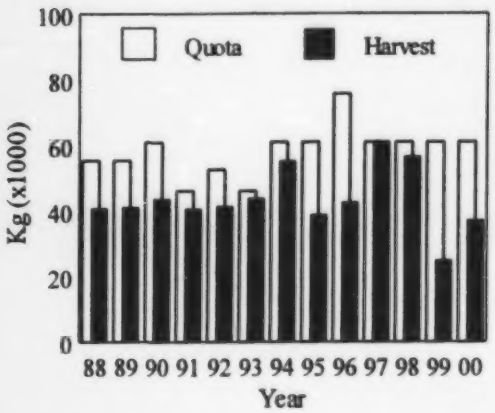


Figure 5-6.2. Chub quota and harvest (kg) for management area 5-6.

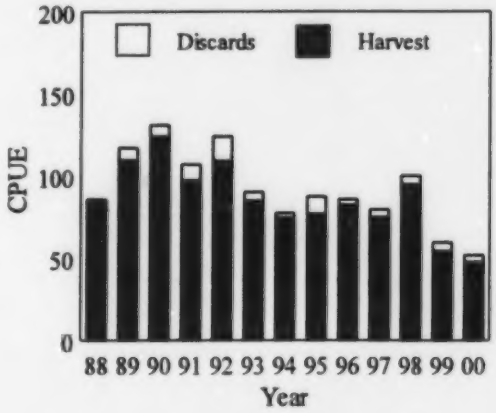


Figure 5-6.3. Chub (harvest+discards) gill net CPUE (kg/km) for management area 5-6. CPUE corrected for discarding. (Non-aboriginal data only)

Table 5-6.3. Chub catch from targeted effort, quota, targeted effort, and CPUE for management area 5-6.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km) Catch	Discards
1983	13582	N/A	N/A	159.4	54.6	
1984	27978	28748	97.3	303.7	91.2	
1985	34135	42077	81.1	325.5	103.4	
1986	29373	49822	59.0	342.5	84.0	2.7
1987	27263	54941	49.6	344.8	79.1	3.6
1988	40844	55307	73.8	477.3	85.6	no data
1989	41194	55307	74.5	376.2	109.5	7.5
1990	43668	60820	71.8	352.1	124.0	6.9
1991	40664	46070	88.3	419.0	97.1	9.8
1992	41455	52504	79.3	380.1	109.1	14.9
1993	43870	46070	95.2	517.2	84.8	5.3
1994	45001	46070	97.7	603.5	74.6	2.7
1995	37168	46070	80.7	483.8	76.8	10.5
1996	42762	75615	56.6	518.9	82.4	3.4
1997	42507	60820	100.5	568.0	74.8	4.7
1998	32733	60820	53.8	344.9	94.9	5.3
1999	20321	60820	33.4	380.7	54.3	5.2
2000	20572	60820	33.8	432.1	47.6	4.2

LAKE TROUT

- Total quota available for all commercial fisheries was 4,558 kg (Table 5-6.1).
- Total harvest was 9,439 kg, 207% of the final quota (Figure 5-6.4).

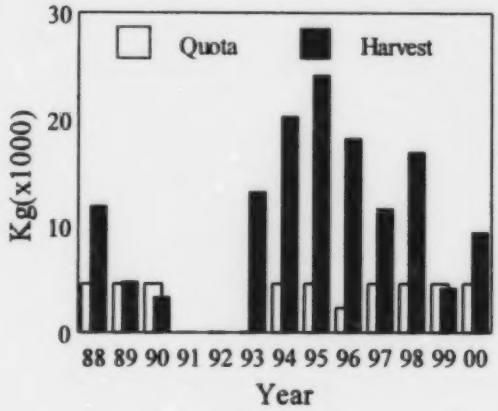


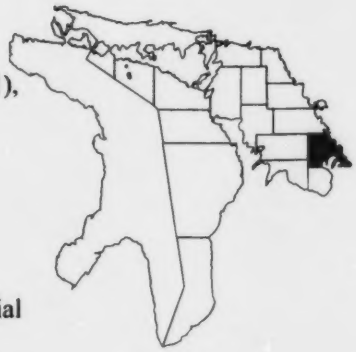
Figure 5-6.4. Lake trout/backcross quota and harvest (kg) for management area 5-6.

Table 5-6.4. Lake trout/backcross harvest and quota for management area 5-6.

Year	Harvest (kg)	Quota (kg)	Percent Taken
1983	0	N/A	N/A
1984	0	2268	0.0
1985	7270	2268	320.5
1986	1717	2279	75.3
1987	3508	4558	77.0
1988	11923	4558	261.6
1989	4820	4558	105.7
1990	3373	4558	74.0
1991	12	0	0
1992	0	12	0
1993	0	12	0
1994	10	12	83.3
1995	30	12	250
1996	38	2291	1.7
1997	11690	4558	256.5
1998	16993	4558	372.8
1999	4204	4558	92.0
2000	9439	4558	207.1

MANAGEMENT AREA 5-7

GENERAL



- Quota available to all commercial fisheries was 83,479 kg (Table 5-7.1), including a lake trout allowance of 500 kg, and a lake whitefish allowance of 18,000 kg.
- Total harvest of all fish species under quota control increased to 91,119 kg (Table 5-7.1). Estimated value of these fish increased to $252,080.
- Harvest and estimated value of all species sold was 92,401 kg and $253,054, respectively. An additional 6,893 kg of fish of no commercial value was reported caught.

Table 5-7.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 5-7 in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	0	0	0.0	17	0
Chub	14,470	6,719	46.4	6,719	20,738
Lake Sturgeon	589	390	66.2	692	1,722
Lake Trout	1,976	4,496	227.5	4,829	3,964
Lake Whitefish	57,742	78,186	135.4	78,193	220,630
Northern Pike	1,175	75	6.4	75	110
Walleye	2,090	1,253	60.0	1,253	4,916
Yellow Perch	5,437	0	0.0	0	0
Sub-Total	83,479	91,119		91,778	252,080
Brown Trout		0		4	0
Burbot		0		4,168	0
Chinook Salmon		0		51	0
Common Carp		0		381	0
Gizzard Shad		0		23	0
Lake Herring		1,263		1,263	974
Longnose Gar		0		29	0
Muskellunge		0		14	0
Rainbow Smelt		0		5	0
Rainbow Trout		0		32	0
Round Whitefish		19		51	0
Redhorse Suckers		0		27	0
Smallmouth Bass		0		27	0
Suckers		0		1,441	0
Total	83,479	92,401		99,294	253,054

LAKE WHITEFISH

- The quota available to all commercial fisheries was 39,742 kg (Figure 5-7.1), with an additional temporary allowance of 18,000 kg for a total allowable harvest of 57,742 kg.
- Total harvest increased to 78,186 kg, 197% of the quota (Figure 5-7.1), and 135% of the total allowable catch.
- Reported gill net effort was 432 km (Table 5-7.2).
- CPUE increased to 181 kg/km (Figure 5-7.2).

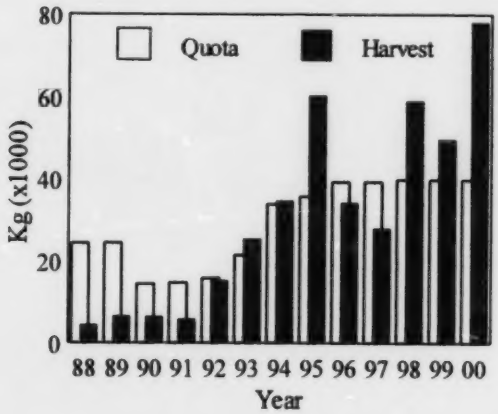


Figure 5-7.1. Lake whitefish quota and harvest (kg) for management area 5-7.

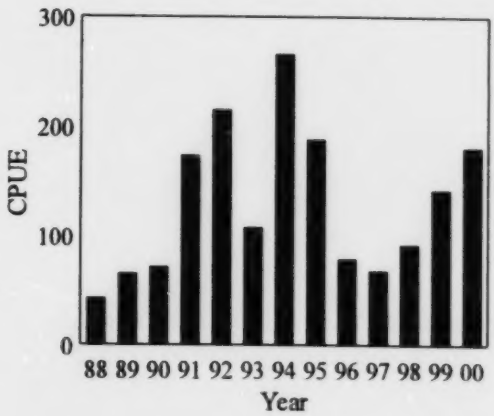


Figure 5-7.2. Lake whitefish gill net CPUE (kg/km) for management area 5-7.

Table 5-7.2. Lake whitefish catch from targeted effort, quota, targeted effort, and CPUE for management area 5-7. Values shown are from reported commercial catch only.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	3039	N/A	N/A	130.4	22.0
1984	5649	13878	40.7	115.8	48.9
1985	8337	13878	60.1	181.3	46.3
1986	16783	20998	79.9	182.6	92.5
1987	9275	21021	44.1	142.8	64.9
1988	4431	24248	18.3	102.2	42.9
1989	6572	24338	27.0	100.7	65.2
1990	6446	14346	44.9	90.0	71.6
1991	5828	14618	39.9	33.6	173.5
1992	15229	15747	96.7	70.8	215.1
1993	13237	14127	93.7	123	107.6
1994	7953	15541	51.2	29.9	266.0
1995	12108	15671	77.3	64.4	188.0
1996	9841	39200	25.1	125.1	78.7
1997	8256	39200	71.3	118.0	70.0
1998	12432	39742	31.3	134.6	92.4
1999	49631	39742	124.9	349.5	142.0
2000	78043	39742	196.4	432.0	180.7

CHUB

- Quota available to all commercial fisheries was 14,470 kg.
- Harvest decreased to 6,719 kg, 46% of the quota (Figure 5-7.3).
- Reported effort decreased to 197 km (Table 5-7.3).
- CPUE decreased to 33 kg/km (Figure 5-7.4).

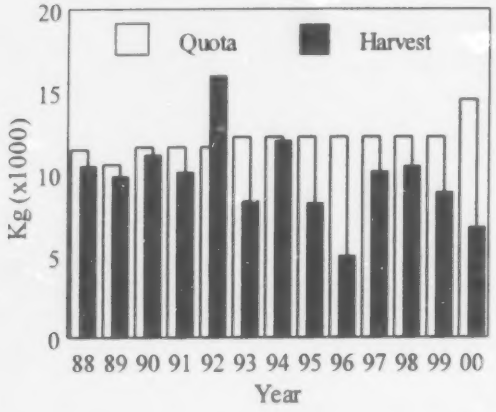


Figure 5-7.3. Chub quota and harvest (kg) for management area 5-7.

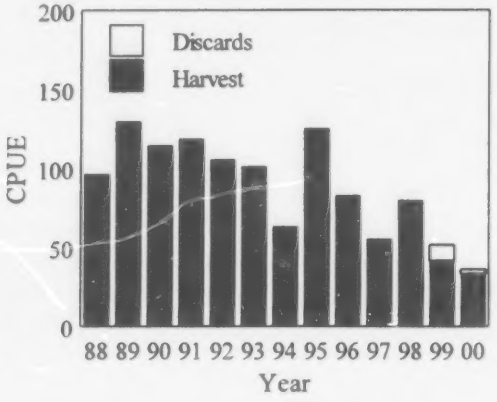


Figure 5-7.4. Chub gill net CPUE (kg/km) for management area 5-7.

Table 5-7.3. Chub catch from targeted effort, quota, targeted effort, and CPUE for management area 5-7.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km) Catch	Discards
1983	5204	N/A	N/A	44.5	70.2	
1984	6668	8111	82.2	78.2	85.8	
1985	9072	11918	76.1	102.4	89.2	
1986	4411	10364	42.6	60.5	68.5	
1987	8253	10471	78.8	137.4	60.1	
1988	10492	11441	91.7	108.6	96.6	
1989	9870	10538	93.7	76.1	129.7	
1990	11167	11592	96.3	97.4	114.7	
1991	10102	11592	87.1	85.2	118.6	
1992	15965	11594	137.7	150.9	105.8	
1993	8338	12202	68.3	82.3	101.3	
1994	12267	12202	100.5	193.6	63.4	
1995	8896	12202	72.9	71.0	125.3	
1996	5243	12202	43.0	63.1	83.1	
1997	10432	12202	83.0	188.1	55.5	
1998	8816	12202	72.3	109.6	80.4	
1999	8859	12202	72.6	212.3	41.7	10.0
2000	6562	14470	45.3	196.9	33.3	3.0

MANAGEMENT AREA 5-8

GENERAL

- Quota issued on commercial fishing licences was 59,080 kg, including a lake trout allowance of 1,625 kg, and a lake whitefish allowance of 2,000 kg.
- Harvest of all species sold was 78,917 kg (Table 5-8.1). Estimated value of these fish was $206,145. An additional 90 kg of fish of no commercial value was reported caught.

Table 5-8.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 5-8 in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	0	0	0.0	0	0
Chub	19,985	14,459	72.3	14,459	44,625
Lake Sturgeon	0	0	0.0	18	0
Lake Trout	6,161	10,501	170.4	10,501	9,261
Lake Whitefish	31,800	53,957	169.7	54,029	152,259
Northern Pike	0	0	0.0	0	0
Walleye	0	0	0.0	0	0
Yellow Perch	1,134	0	0.0	0	0
Total	59,080	78,917		79,007	206,145

LAKE WHITEFISH

- The quota available to the commercial fishery was 29,800 kg (Figure 5-8.1), with an additional temporary allowance of 2,000 kg for a total allowable harvest of 31,800 kg..
- The total harvest decreased to 53,957 kg, 181% of the quota (Figure 5-8.1), and 170% of the total allowable harvest.
- No gill net effort or CPUE data was available.

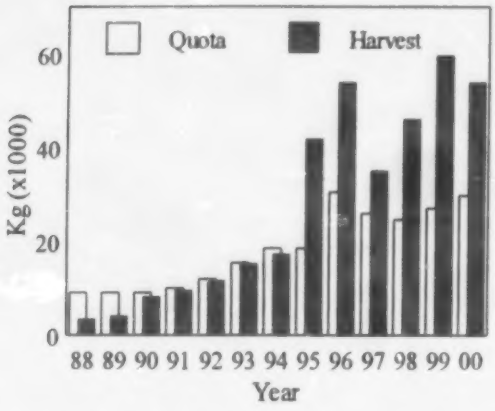


Figure 5-8.1. Lake whitefish quota and harvest (kg) for management area 5-8.

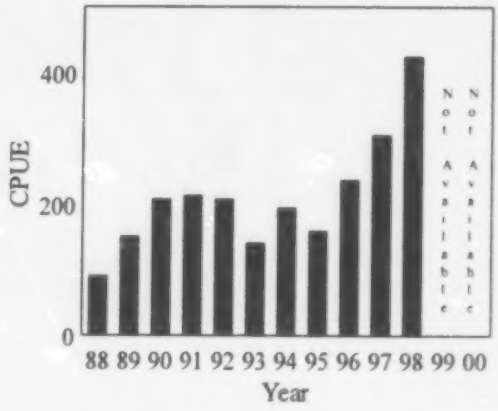


Figure 5-8.2. Lake whitefish gill net CPUE (kg/km) for management area 5-8.

Table 5-8.2. Lake whitefish catch from targeted effort, quota, targeted effort, and CPUE for management area 5-8.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	12070	N/A	N/A	310.2	34.9
1984	898	13518	6.6	20.6	37.1
1985	3926	3605	108.9	27.2	137.9
1986	4560	3605	126.5	20.9	210.0
1987	3344	9012	37.1	30.2	108.9
1988	3468	9072	38.2	37.7	91.2
1989	4114	9072	45.3	27.1	151.7
1990	8239	9072	90.8	39.5	208.4
1991	9617	9979	96.4	44.9	214.2
1992	11715	11977	97.8	56.2	208.4
1993	15320	15420	99.4	108.1	141.7
1994	17381	18504	93.9	89.0	195.3
1995	15268	18504	82.5	95.1	160.5
1996	19528	30509	64.0	82.3	237.3
1997	22166	25966	156.6	72.5	305.7
1998	22329	24628	90.7	52.5	425.3
1999	na	27091	na	na	na
2000	na	29800	na	na	na

CHUB

- Quota issued was 19,985 kg.
- Total harvest decreased to 14,459 kg, 72% of the quota (Figure 5-8.3).
- Non-aboriginal effort decreased to 271 km (Table 5-8.3).
- Non-aboriginal harvested CPUE decreased to 49 kg/km (Figure 5-8.4).

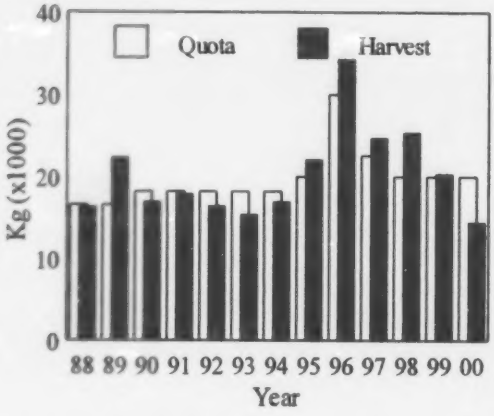


Figure 5-8.3. Chub harvest and quota (kg) for management area 5-8.

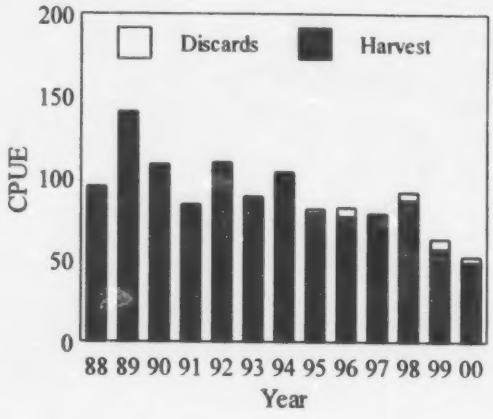


Figure 5-8.4. Chub (harvest+discards) gill net CPUE (kg/km) for management area 5-8. CPUE corrected for discarding 1995 onward.

Table 5-8.3. Chub catch from targeted effort, quota, targeted effort, and CPUE for management area 5-8.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km) Catch	Discards
1983	25413	N/A	N/A	174.0	90.4	
1984	22639	13518	167.5	289.4	74.0	
1985	22546	25339	89.0	281.9	80.5	
1986	16711	23071	72.4	246.9	68.1	
1987	13786	16447	83.8	268.7	50.5	
1988	16339	16533	98.8	172.8	94.5	
1989	22366	16533	135.3	159.6	140.1	
1990	16968	18186	93.3	157.1	108.0	
1991	17905	18168	98.6	214.1	83.6	
1992	16442	18171	90.5	150.5	109.2	
1993	15378	18168	84.6	174.0	88.4	
1994	17577	18168	96.7	170.1	103.3	
1995	19991	19985	100.0	254.7	78.5	2.5
1996	20038	29956	66.9	262.2	76.4	5.4
1997	20263	22493	109.9	259.3	78.1	0.0
1998	17296	19985	86.5	199.7	86.6	4.7
1999	15595	19985	78.0	274.3	56.8	6.0
2000	13195	19985	66.0	270.8	48.7	3.3

LAKE TROUT

- Quota was 4,536 kg (Figure 5-8.5). An additional temporary allowance of 1,625 kg was available on commercial fishing licences. The total allowable harvest was 6,161 kg (Table 5-8.1).
- The total harvest decreased to 10,501 kg, 232% of the quota (Figure 5-8.5). This harvest was 170% of the total allowable harvest (Table 5-8.1).

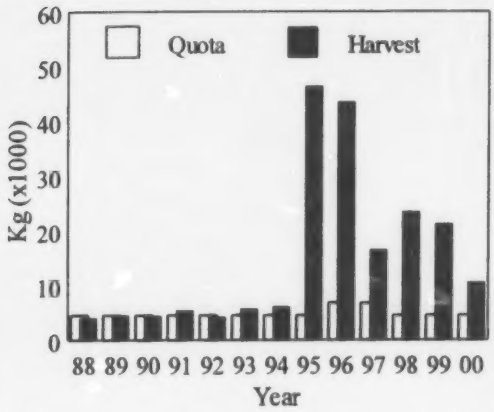


Figure 5-8.5. Lake trout quota and harvest (kg) for management area 5-8.

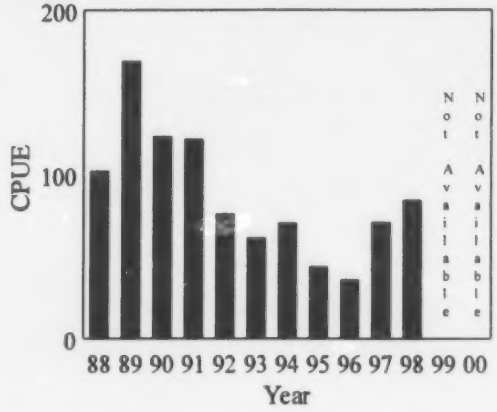


Figure 5-8.6. Lake trout gill net CPUE (kg/km) for management area 5-8.

Table 5-8.4. Lake trout harvest from lake whitefish targeted effort, quota, lake whitefish targeted effort which caught lake trout, and CPUE for management area 5-8.

Year	Harvest (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	17798	N/A	N/A	1.1	108.2
1984	2225	2268	98.1	0.0	0.0
1985	4220	4536	93.0	30.3	130.9
1986	3945	4536	87.0	20.9	164.2
1987	4374	4536	96.4	30.2	143.8
1988	4032	4536	88.9	37.7	102.3
1989	4584	4536	101.1	27.1	169.1
1990	4470	4536	98.5	36.3	123.3
1991	5456	4536	120.3	44.9	121.5
1992	4269	4536	96.5	56.2	76.0
1993	5707	4536	125.8	92.7	61.6
1994	6170	4536	136.0	87.3	70.7
1995	6273	4536	138.3	142.1	44.1
1996	5638	6799	82.9	156.5	36.0
1997	5148	6751	76.3	72.5	71.0
1998	3567	4536	78.6	42.2	84.5
1999	na	4536	na	na	na
2000	na	4536	na	na	na

MANAGEMENT AREA 5-9

GENERAL

- Quota issued on commercial fish licences was 102,698 kg, including a lake whitefish allowance of 4,000 kg. There was no lake trout allowance.
- Harvest of all species under quota control increased to 92,118 kg (Table 5-9.1). Estimated value of these fish increased to $253,885.
- Harvest and estimated value of all species sold was 92,137 kg and $253,886, respectively (Table 5-9.1). An additional 5,213 kg of fish of no commercial value was reported caught.

Table 5-9.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 5-9 in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	Unlimited	0	0.0	0	0
Chub	9,958	40	0.4	40	124
Lake Sturgeon	136	129	94.9	1,793	567
Lake Trout	4,882	3,204	65.6	3,270	2,826
Lake Whitefish	83,493	88,676	106.2	88,676	250,231
Northern Pike	0	0	0.0	0	0
Walleye	820	35	4.3	35	137
Yellow Perch	3,409	34	1.0	34	0
Sub-Total	102,698	92,118		93,848	253,885
Burbot		0		745	0
Chinook Salmon		0		6	0
Common Carp		0		14	0
Lake Herring		2		2	1
Rainbow Smelt		0		8	0
Rainbow Trout		0		2	0
Round Whitefish		17		17	0
Suckers		0		2,708	0
Total	102,698	92,137		97,350	253,886

LAKE WHITEFISH

- The quota issued was 79,493 kg (Figure 5-9.1), with an additional temporary allowance of 4,000 kg for a total allowable harvest of 83,493 kg.
- The harvest increased to 88,676 kg, 112% of the quota (Figure 5-9.1) and 106% of the total allowable harvest.
- Gill net effort decreased to 192 km (Table 5-9.2).
- CPUE increased to 462 kg/km (Figure 5-9.2).

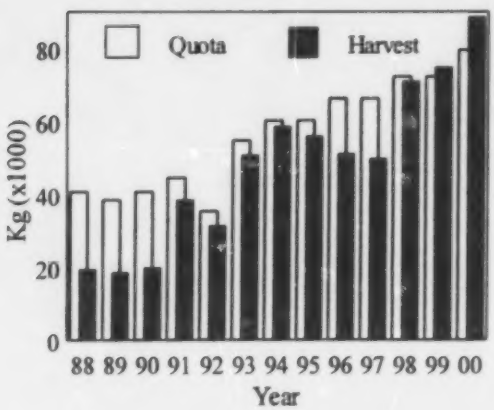


Figure 5-9.1. Lake whitefish quota and harvest (kg) for management area 5-9.

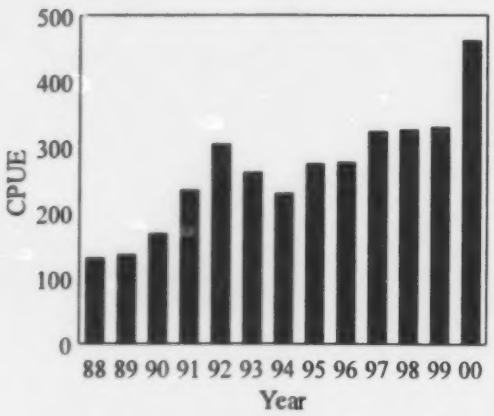


Figure 5-9.2. Lake whitefish gill net CPUE (kg/km) for management area 5-9.

Table 5-9.2. Lake whitefish catch from targeted effort, quota, targeted effort, and CPUE for management area 5-9.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	28233	N/A	N/A	634.4	38.9
1984	26863	26811	100.2	239.6	112.8
1985	33472	33565	99.7	128.8	261.5
1986	33112	40361	82.0	152.4	218.6
1987	19239	40441	47.6	151.4	127.1
1988	19457	40710	47.8	148.3	131.2
1989	18663	38460	48.5	136.6	136.6
1990	19937	40710	49.0	118.4	168.4
1991	38541	44590	86.4	164.3	234.6
1992	31404	35320	88.9	103.0	304.9
1993	50883	54743	92.9	194.3	261.9
1994	58702	60217	97.5	255.3	229.9
1995	56017	60217	93.0	204.0	274.6
1996	51195	66239	77.3	184.7	277.2
1997	49515	66239	75.3	152.8	324.0
1998	64684	72267	89.5	198.0	326.7
1999	74905	72267	103.7	226.4	330.9
2000	88676	79493	111.6	192.0	461.9

CHUB

- Quota issued was 9,958 kg.
- Harvest decreased to 40 kg, 0.4% of the quota (Figure 5-9.3).
- Effort decreased to 3 km (Table 5-9.3).
- CPUE decreased to 13 kg/km (Figure 5-9.4)

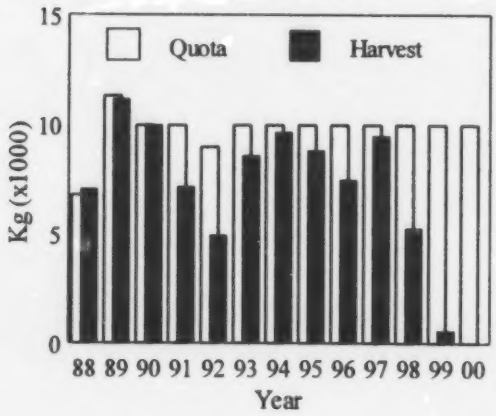


Figure 5-9.3. Chub quota and harvest (kg) for management area 5-9.

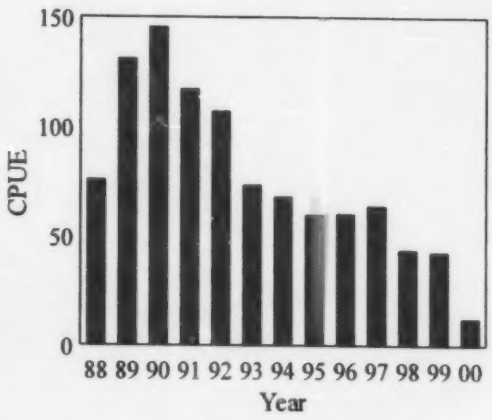


Figure 5-9.4. Chub gill net CPUE (kg/km) for management area 5-9.

Table 5-9.3. Chub catch from targeted effort, quota, targeted effort, and CPUE for management area 5-9.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	7001	N/A	N/A	82.5	29.1
1984	3135	3154	99.4	51.7	61.0
1985	2839	3627	78.3	38.4	74.4
1986	5596	6849	81.7	84.7	66.5
1987	2419	6736	35.9	58.4	41.2
1988	7058	6780	104.1	92.8	75.9
1989	11171	11303	98.8	85.1	131.2
1990	9991	9958	100.3	68.6	145.6
1991	7164	9958	71.9	61.1	117.2
1992	4937	8963	55.1	46.1	107.1
1993	8581	9958	86.2	117.0	73.4
1994	9646	9958	96.8	141.7	68.1
1995	7979	9958	80.1	133.5	59.8
1996	6398	9958	64.3	106.0	60.4
1997	9373	9958	95.3	146.8	63.9
1998	3857	9958	38.7	87.3	44.2
1999	579	9958	5.8	13.5	42.9
2000	40	9958	0.4	3.2	12.5

LAKE TROUT

- Quota was 4,882 kg. There was no additional lake trout allowance.
- The harvest increased to 3,204 kg, 66% of the quota (Figure 5-9.5).
- Lake whitefish effort which harvested lake trout decreased to 192 km (Table 5-9.4).
- CPUE increased to 17 kg/km (Figure 5-9.6).

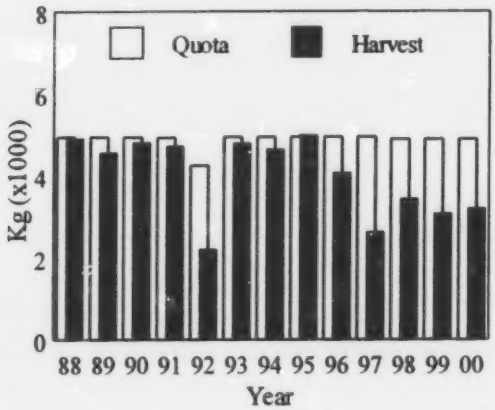


Figure 5-9.5. Lake trout/backcross quota and harvest (kg) for management area 5-9.

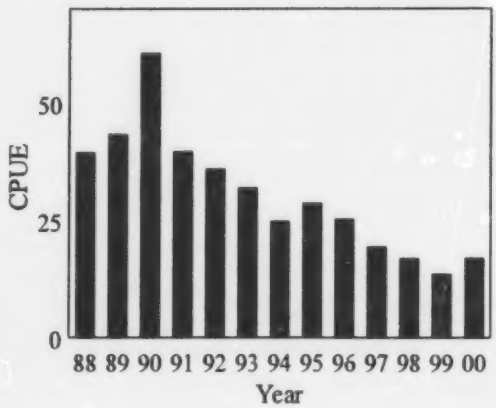


Figure 5-9.6. Lake trout/backcross gill net CPUE (kg/km) for management area 5-9.

Table 5-9.4. Lake trout/backcross harvest from lake whitefish targeted effort, quota, lake whitefish targeted effort which caught lake trout, and CPUE for management area 5-9.

Year	Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	0	N/A	N/A	0.0	0.0
1984	4	4037	0.1	3.2	1.3
1985	4000	4037	99.1	117.8	33.6
1986	4627	4930	93.9	130.2	35.5
1987	3090	4937	62.6	128.5	23.9
1988	4909	4937	99.4	124.1	39.5
1989	4574	4937	92.6	105.4	43.4
1990	4818	4937	97.6	79.6	60.6
1991	4729	4927	96.0	119.2	39.7
1992	2216	4240	52.3	61.5	36.0
1993	4800	4937	97.2	150.1	32.0
1994	4651	4937	94.1	186.4	24.9
1995	4992	4937	101.1	173.8	28.7
1996	4073	4937	82.5	160.7	25.3
1997	2617	4937	53.2	134.7	19.4
1998	3164	4882	64.8	186.1	17.0
1999	3069	4882	62.9	226.4	13.6
2000	3268	4882	66.9	192.0	17.0

NORTH CHANNEL

GENERAL

- Total quota (including lake trout allowance) issued on commercial fish licences and other allocations in the North Channel was 428,830 kg (Table 6.1).
- Harvest of all fish species under quota control increased to 337,744 kg. Estimated value of the harvest of species under quota control increased to $833,939.
- Total harvest and estimated value of all fish species was 351,018 kg and $844,689, respectively (Table 6.1). An additional 31,159 kg of fish of no commercial value was reported caught.

Table 6.1. Quota, harvest, percent quota taken, catch, and estimated value by species for the North Channel of Lake Huron in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	7,228	0	0.0	0	0
Chub	0	4	0.0	4	11
Lake Sturgeon	5,435	1,302	24.0	2,301	8,038
Lake Trout	11,559	9,322	80.6	10,162	13,153
Lake Whitefish	350,275	307,018	87.7	310,081	737,763
Northern Pike	9,328	738	7.9	752	1,562
Walleye	10,724	7,648	71.3	8,302	29,002
Yellow Perch	34,281	11,712	34.2	12,106	44,410
Sub-Total	428,830	337,744		343,708	833,939
Alewife		0		2	0
Brown Trout		0		2	0
Burbot		156		1,943	0
Chinook Salmon		591		999	0
Coho Salmon		0		1	0
Common Carp		251		376	133
Gizzard Shad		0		4	0
Lake Herring		8,768		9,753	8,505
Pacific Salmon		0		19	0
Pink Salmon		347		351	0
Rainbow Smelt		9		20	0
Rainbow Trout		14		114	0
Rock Bass		0		169	0
Round Whitefish		2,994		4,621	2,112
Smallmouth Bass		8		11	0
Suckers		136		20,080	0
White Bass		0		4	0
Total	428,830	351,018		382,177	844,689

MANAGEMENT AREA 6-1

GENERAL

- Final quota available for commercial fishing activity was 423,054 kg. An additional 36,399 kg of quota was held by the Crown. These amounts included a total lake trout allowance of 4,528 kg, of which 2,950 kg was available on commercial fishing licences.
- Harvest and estimated value of all fish species sold was 351,018 kg and $844,689, respectively (Table 6-1.2). An additional 31,159 kg of fish of no commercial value was reported caught.
- Data reported for assessment area NC03 in this management area section include data from assessment area NC04.

Table 6-1.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 6-1 in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	7,001	0	0.0	0	0
Chub	0	4	0.0	4	11
Lake Sturgeon	5,435	1,302	24.0	2,301	8,038
Lake Trout	10,787	9,322	86.4	10,162	13,153
Lake Whitefish	346,457	307,018	88.6	310,081	737,763
Northern Pike	8,992	738	8.2	752	1,562
Walleye	10,724	7,648	71.3	8,302	29,002
Yellow Perch	33,658	11,712	34.8	12,106	44,410
Sub-Total	423,054	337,744		343,708	833,939
Alewife		0		2	0
Brown Trout		0		2	0
Burbot		156		1,943	0
Chinook Salmon		591		999	0
Coho Salmon		0		1	0
Common Carp		251		376	133
Gizzard Shad		0		4	0
Lake Herring		8,768		9,753	8,505
Pacific Salmon		0		19	0
Pink Salmon		347		351	0
Rainbow Smelt		9		20	0
Rainbow Trout		14		114	0
Rock Bass		0		169	0
Round Whitefish		2,994		4,621	2,112
Smallmouth Bass		8		11	0
Suckers		136		20,080	0
White Bass		0		4	0
Total	423,054	351,018		382,177	844,689

LAKE WHITEFISH

- The final quota available for commercial fishing was 346,457 kg (Table 6-1.1).
- The harvest increased to 307,018 kg, 89% of the quota (Figure 6-1.1). The gill net fishery accounted for 100% of the harvest (Table 6-1.2).
- Gill net effort decreased to 1,607 km (Table 6-1.3). No trap net effort was reported.
- The gill net CPUE over all three subareas increased to 152 kg/km.

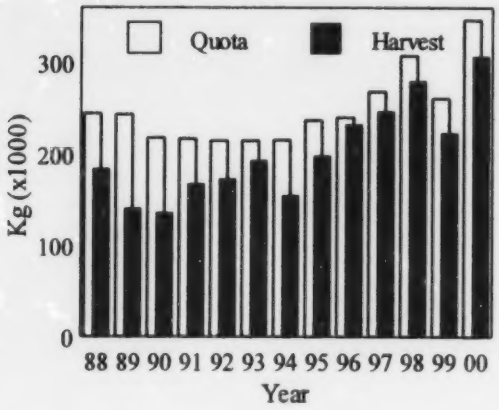


Figure 6-1.1. Lake whitefish quota and harvest (kg) for management area 6-1.

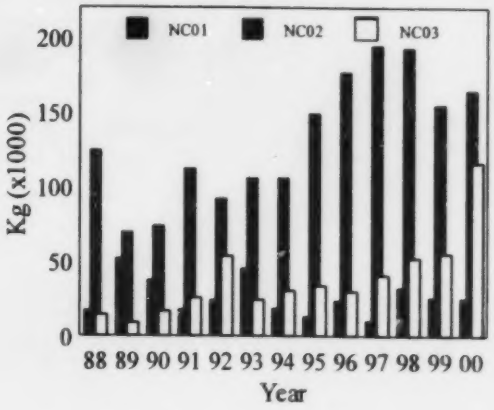


Figure 6-1.2. Lake whitefish gill net harvest (kg) by subarea for management area 6-1.

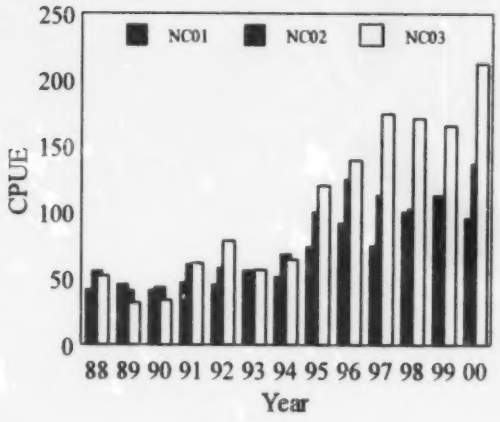


Figure 6-1.3. Lake whitefish gill net CPUE (kg/km) by subarea for management area 6-1.

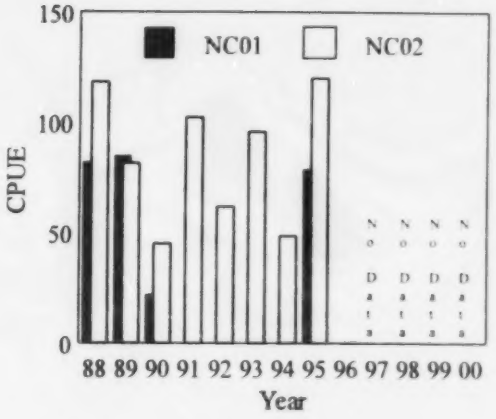


Figure 6-1.4. Lake whitefish trap net CPUE (kg/net) by subarea for management area 6-1.

Table 6-1.2. Lake whitefish targeted catch and quota for management area 6-1.

Year	Targeted Gill Net Catch (kg)				Targeted Trap Net Catch (kg)			Targeted Catch Total	Quota (kg)	Percent Taken
	NC01	NC02	NC03	Total	NC01	NC02	Total			
1983	26070	175116	14086	215272	0	0	0	215272	N/A	N/A
1984	35782	123298	24773	183853	0	100	100	183953	243345	75.6
1985	22957	129839	27709	180505	0	1797	1797	182302	271566	67.1
1986	24280	137953	14030	176263	2258	501	2759	179022	242779	73.7
1987	8924	146310	20369	175603	8113	21489	29602	205205	244031	84.1
1988	17297	124432	14090	155819	5002	23427	28429	184248	244031	75.5
1989	52116	69799	8687	130602	1952	8387	10339	140941	243151	58.0
1990	37589	73938	16638	128165	1134	6551	7685	135850	217577	62.4
1991	18175	112283	25528	155986	0	11654	11654	167640	216576	77.4
1992	24346	92346	53500	170192	0	2709	2709	172901	214342	80.7
1993	45553	106074	24123	175750	0	17395	17395	193145	214306	90.1
1994	18592	106146	30371	155109	0	145	145	155254	169065	91.7
1995	13381	149367	33581	196329	240	472	712	197041	205027	96.1
1996	23808	177196	29763	230767	0	0	0	230767	239665	96.3
1997	10447	194780	40575	245802	0	0	0	245802	268173	91.7
1998	32079	192830	51936	276845	0	0	0	276845	307458	90.0
1999	24193	138843	51952	214988	0	0	0	214988	260489	82.5
2000	20923	129489	94420	244832	0	0	0	244832	346457	70.7

Table 6-1.3. Lake whitefish targeted effort and CPUE for management area 6-1.

Year	Targeted Gill Net Effort (km)				Targeted Trap Net Effort (# lifts)			Gill CPUE (kg/km)			Trap CPUE (kg/lift)	
	NC01	NC02	NC03	Total	NC01	NC02	Total	NC01	NC02	NC03	NC01	NC02
1983	344.6	2544.6	320.7	3209.9	0	0	0	75.7	68.8	43.9	0.0	0.0
1984	347.7	2173.7	459.0	2980.4	0	2	2	102.9	56.7	54.0	0.0	50.0
1985	336.0	2522.9	500.0	3358.9	0	24	24	68.3	51.5	55.4	0.0	74.9
1986	463.3	2699.0	331.0	3493.3	17	4	21	52.4	51.1	42.4	132.8	125.3
1987	230.8	2328.3	386.4	2945.5	58	138	196	38.7	62.8	52.7	139.9	155.7
1988	414.9	2218.7	272.6	2906.2	61	198	259	41.7	56.0	51.7	82.0	118.3
1989	1139.1	1691.4	276.0	3106.5	23	103	126	45.8	41.3	31.5	84.9	81.4
1990	909.9	1689.4	494.7	3094.0	27	146	173	41.3	43.8	33.6	42.0	44.9
1991	385.7	1847.5	415.8	2649.0	0	114	114	47.1	60.8	61.4	0.0	102.2
1992	532.7	1583.5	684.3	2800.5	0	44	44	45.7	58.3	78.2	0.0	61.6
1993	808.8	1905.2	418.3	3132.3	0	182	182	56.3	55.6	56.3	0.0	95.6
1994	360.7	1544.5	472.8	2378.0	0	3	3	51.5	68.7	64.2	0.0	48.3
1995	180.1	1489.6	280.1	1949.8	2	6	8	74.3	100.3	119.9	120.0	78.7
1996	258.6	1414.6	214.1	1887.3	0	0	0	92.1	125.3	139.0	--	--
1997	139.4	1719.5	232.9	2091.8	0	0	0	74.9	113.3	174.2	--	--
1998	318.2	1871.0	304.3	2493.5	0	0	0	100.8	103.1	170.7	--	--
1999	213.7	1260.9	313.6	1788.2	0	0	0	113.2	109.6	165.4	--	--
2000	217.4	944.4	445.2	1607.0	0	0	0	96.2	137.1	212.1	--	--

YELLOW PERCH

- The final quota available on commercial fishing licences was 33,658 kg (Table 6-1.1).
- Harvest increased to 11,712 kg, 35% of the available quota. Most of the harvest (87%) came out of NC03(Figure 6-1.8).
- Gill net effort decreased to 190 km total for all assessment areas (Table 6-1.5).
- Area wide gill net CPUE increased to 54.7 kg/km (Table 6-1.5).

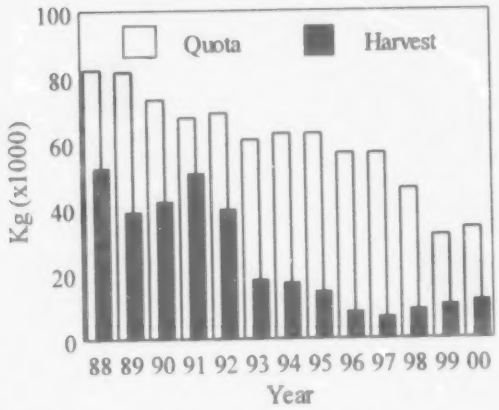


Figure 6-1.5. Yellow perch harvest and quota (kg) for management area 6-1.

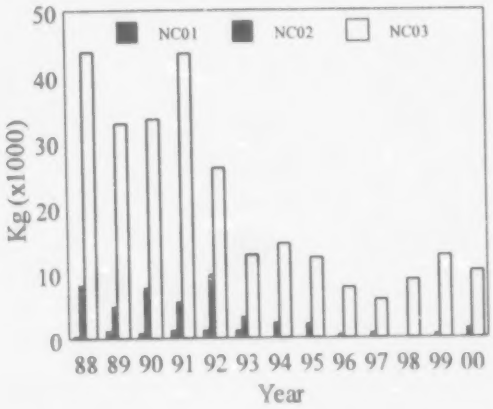


Figure 6-1.6 Yellow perch harvest (kg) by subarea for management area 6-1.

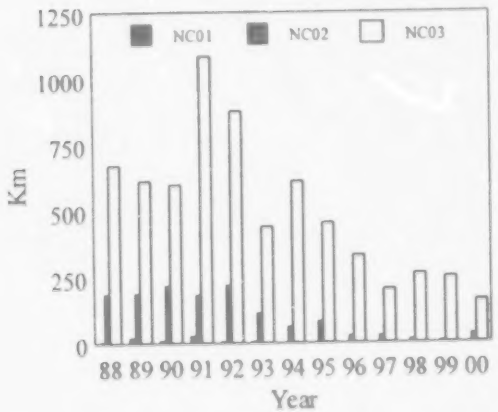


Figure 6-1.7. Yellow perch gill net effort (km) by subarea for management area 6-1.

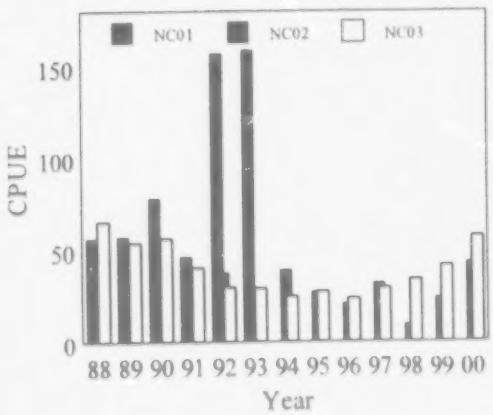


Figure 6-1.8. Yellow perch gill net CPUE (kg/km) by subarea for management area 6-1.

Table 6-1.4. Yellow perch targeted catch and quota for management area 6-1.

Year	Targeted Gill Net Catch (kg)				Targeted Trap Net Catch (kg)			Targeted Catch Total	Quota (kg)	Percent Taken
	NC01	NC02	NC03	Total	NC02	NC03	Total			
1983	0	11003	19317	23683	0	0	0	23683	N/A	N/A
1984	67	9221	38831	48119	0	0	0	48119	71798	67.0
1985	0	6993	32834	39827	0	0	0	39827	80299	49.6
1986	118	3532	20149	23799	0	2	2	23801	75170	31.7
1987	0	4292	29202	33495	0	0	0	33495	75284	44.5
1988	417	8247	43679	52343	0	0	0	52343	82069	63.8
1989	1195	4944	32773	38912	0	1077	1077	39989	81381	47.8
1990	863	7814	33419	42096	0	312	312	42408	72916	57.7
1991	1309	5614	43422	50345	0	256	256	50601	67418	75.1
1992	1254	9844	25936	37034	1177	1433	2610	39644	68793	57.6
1993	1206	3315	12655	17176	79	913	992	18168	60676	29.9
1994	0	2397	14357	16754	0	453	453	17207	36773	46.8
1995	0	2223	12241	14464	0	1	1	14465	35155	41.2
1996	0	542	7673	8215	0	10	10	8225	33802	24.3
1997	0	840	5806	6646	0	0	0	6646	56498	11.8
1998	0	126	8743	8869	0	0	0	8869	27319	32.5
1999	0	192	10155	10347	0	0	0	10347	31424	32.9
2000	0	1402	8993	10395	0	0	0	10395	33658	30.9

Table 6-1.5. Yellow perch targeted effort and CPUE for management area 6-1.

Year	Targeted Gill Net Effort (km)				Targeted Trap Net Effort (#lifts)			Gill CPUE (kg/km)			Trap (CPUE) (kg/lift)
	NC01	NC02	NC03	Total	NC02	NC03	Total	NC01	NC02	NC03	NC03
1983	0.0	215.3	386.3	601.6	0	0	0	0.0	51.1	50.0	--
1984	1.3	179.8	734.7	915.8	0	0	0	51.5	51.3	52.9	--
1985	0.0	150.5	591.1	741.6	0	0	0	0.0	46.5	55.5	--
1986	1.0	142.5	603.8	747.3	0	3	3	118.0	24.8	33.4	0.9
1987	0.0	100.2	612.0	712.2	0	0	0	0.0	42.8	47.7	--
1988	7.4	187.0	670.4	864.8	0	0	0	56.4	44.1	65.2	--
1989	20.9	187.8	610.6	819.3	0	88	88	57.2	26.3	53.7	12.2
1990	11.1	218.9	597.2	827.2	0	148	148	78.0	35.7	56.0	2.1
1991	28.3	182.8	1083.0	1294.1	0	37	37	46.2	30.7	40.1	6.9
1992	6.8	220.3	875.2	1102.3	173	345	518	156.8	37.6	29.6	4.2
1993	7.6	113.5	438.1	559.2	60	216	276	158.8	29.2	28.9	4.3
1994	0.0	61.4	609.5	670.90	0	65	65	0.0	39.0	24.4	7.0
1995	0.0	82.1	451.2	533.3	0	1	1	0.0	27.1	27.1	1.0
1996	0.0	26.5	327.9	354.4	0	5	5	0.0	20.5	23.4	2.0
1997	0.0	26.5	200.0	226.5	0	0	0	0.0	31.7	29.0	--
1998	0.0	13.8	260.2	274.0	0	0	0	0.0	9.1	33.6	--
1999	0.0	8.0	246.4	254.4	0	0	0	0.0	23.8	35.5	--
2000	0.0	32.6	157.4	190.0	0	0	0	0.0	43.0	57.1	--

WALLEYE

- The final quota available on commercial fishing licences was 10,724 kg (Table 6-1.1).
- Harvest increased to 7,648 kg, 71% of the available quota (Figure 6-1.9). Most of the harvest occurred in NC01 (Figure 6-1.10).
- Reported targeted gill net effort decreased to 39 km total over all assessment areas (Table 6-1.7).
- Gill net CPUE decreased in all assessment areas (Figure 6-1.12).

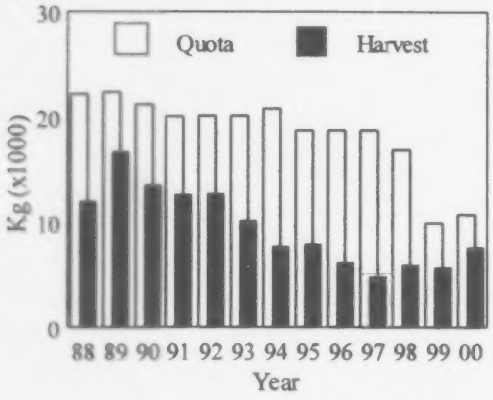


Figure 6-1.9 Walleye quota and harvest (kg) for management area 6-1.

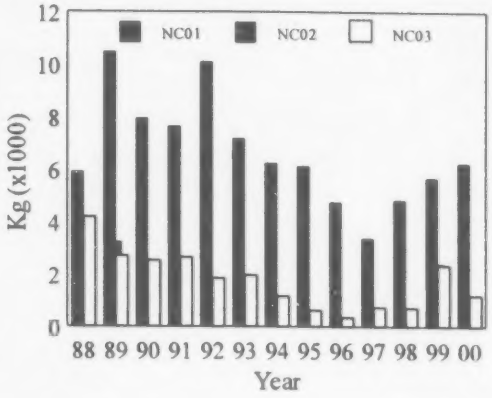


Figure 6-1.10. Walleye harvest (kg) by subarea for management area 6-1.

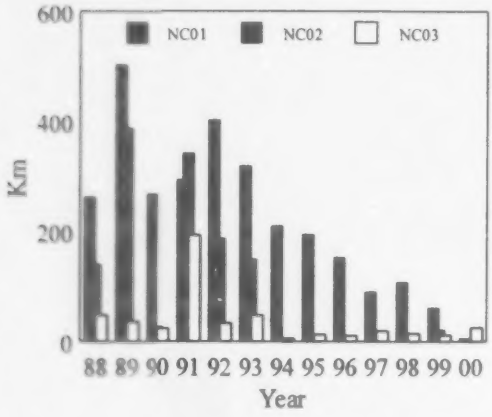


Figure 6-1.11. Walleye annual gill net effort (km) by subarea for management area 6-1.

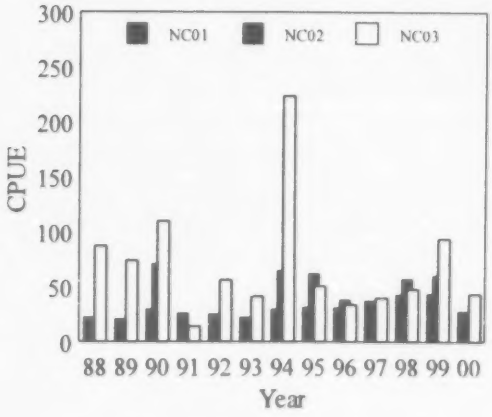


Figure 6-1.12. Walleye gill net CPUE (kg/km) by subarea for management area 6-1.

Table 6-1.6. Walleye targeted catch and quota for management area 6-1.

Year	Targeted Gill Net Catch (kg)				Targeted Trap Net Catch (kg)				Catch	Quota	Percent
	NC01	NC02	NC03	Total	NC01	NC02	NC03	Total	Total	(kg)	Taken
1983	5106	2776	2324	10206	0	159	608	767	10973	N/A	N/A
1984	4659	2340	3774	10773	0	0	65	65	10838	22002	49.0
1985	12284	2219	2855	17358	0	65	0	65	17423	22002	78.9
1986	8135	3649	2613	14397	9	0	582	582	14979	22001	65.4
1987	7143	2449	2274	11866	7	619	103	722	12588	22227	53.4
1988	5910	1737	4184	11831	14	222	0	222	12053	22203	54.7
1989	10474	3238	2702	16414	0	315	17	332	16746	22383	73.3
1990	7943	2002	2529	12474	0	60	1047	1107	13581	21224	58.8
1991	7638	1897	2644	12179	0	63	433	496	12675	20069	63.2
1992	10101	381	1841	12323	0	46	385	431	12754	20111	55.8
1993	7182	904	1956	10042	0	100	32	132	10174	20109	50.6
1994	6249	453	1161	7863	0	0	0	0	7863	16100	48.9
1995	6125	666	626	7417	0	0	0	0	7417	10385	71.4
1996	4755	250	351	5356	0	0	17	17	5373	10431	51.5
1997	3387	85	739	4211	0	0	0	0	4211	9818	42.9
1998	3833	350	562	4745	0	0	0	0	4745	9524	49.8
1999	2684	1325	1025	5034	0	0	0	0	5034	9924	50.7
2000	192	151	1074	1417	0	0	0	0	1417	10724	13.2

Table 6-1.7. Walleye targeted effort for management area 6-1.

Year	Targeted Gill Net Effort (km)				Targeted Trap Net Effort (# lifts)			
	NC01	NC02	NC03	Total	NC01	NC02	NC03	Total
1983	172.6	288.3	42.8	503.7	0	9	57	66
1984	153.1	312.4	104.1	569.6	0	0	21	21
1985	367.8	241.8	45.3	654.9	0	11	0	11
1986	334.4	283.6	41.8	659.8	5	0	74	79
1987	268.2	245.6	92.8	606.6	4	39	36	79
1988	262.5	140.7	48.2	451.4	4	48	0	52
1989	502.7	387.7	36.7	927.1	0	17	20	19
1990	267.9	27.3	23.1	318.4	0	2	44	46
1991	294.1	342.1	192.8	829.0	0	24	27	51
1992	402.8	187.9	33.0	623.7	0	28	125	171
1993	318.8	150.2	47.5	516.5	0	34	12	46
1994	210.3	7.0	5.2	222.5	0	0	0	0
1995	194.5	10.7	12.4	217.6	0	0	0	0
1996	153.1	6.5	10.5	170.1	0	0	5	5
1997	90.7	4.6	18.8	114.1	0	0	0	0
1998	89.3	6.1	11.8	107.2	0	0	0	0
1999	61.5	21.9	11.2	94.6	0	0	0	0
2000	6.9	6.7	24.9	38.5	0	0	0	0

Table 6-1.8. Walleye CPUE for management area 6-1.

Year	Gill CPUE (kg/km)			Trap CPUE (kg/net)		
	NC01	NC02	NC03	NC01	NC02	NC03
1983	29.6	8.5	54.3	--	17.0	10.7
1984	30.4	7.0	36.3	--	--	3.1
1985	33.4	8.7	63.0	--	5.9	--
1986	24.3	12.2	62.5	1.9	--	7.8
1987	26.6	7.0	24.5	1.9	16.0	2.9
1988	22.5	10.6	86.8	3.6	4.6	--
1989	20.8	7.3	73.6	--	18.2	8.5
1990	29.6	71.0	109.5	--	3.0	12.5
1991	26.0	5.5	13.7	--	2.6	16.0
1992	25.1	2.0	55.8	--	1.6	3.1
1993	22.5	6.0	41.2	--	2.9	2.7
1994	29.7	64.7	223.3	--	--	--
1995	31.5	62.2	50.5	--	--	--
1996	31.1	38.5	33.4	--	--	3.4
1997	37.4	18.6	39.4	--	--	--
1998	42.9	57.4	47.6	--	--	--
1999	43.6	60.4	93.3	--	--	--
2000	27.8	22.5	43.1	--	--	--

LAKE TROUT

- The total quota available on commercial fishing licences was 7,837 kg. A temporary allowance of 2,950 kg was also available to the commercial fishery.
- Harvest increased to 9,322kg, 119% of the available quota and 86% of the available quota and allowance (Figure 6-1.13).
- Most of the harvest occurred in area NC03.

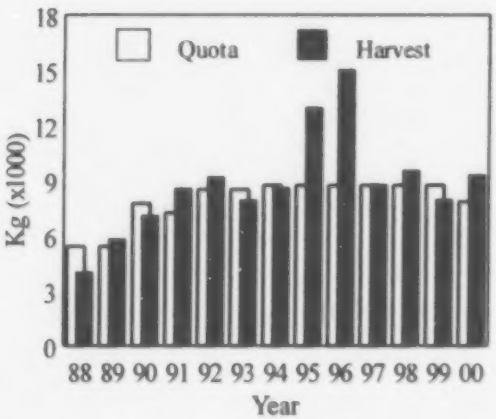


Figure 6-1.13. Lake trout/backcross quota and harvest (kg) for management area 6-1.

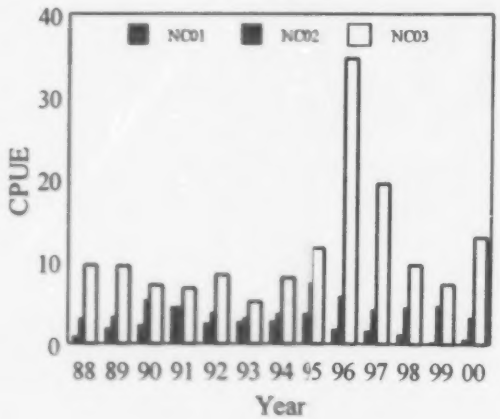


Figure 6-1.14. Lake trout/backcross gill net CPUE (kg/km) for management area 6-1.

Table 6-1.9. Lake trout/backcross catch, quota and CPUE from whitefish targeted gill nets for management area 6-1.

Year	Catch (kg)				Quota	Percent	Gill CPUE (kg/km)		
	NC01	NC02	NC03	Total	(kg)	Taken	NC01	NC02	NC03
1983	10	139	14	318	N/A	N/A	0.6	2.0	0.0
1984	38	98	70	206	2743	7.5	2.0	1.2	0.0
1985	41	504	1261	1806	2743	65.8	1.6	1.2	4.7
1986	54	1939	2651	4644	5612	82.8	1.4	2.1	6.0
1987	6	2993	1306	4305	5397	79.8	0.8	3.8	3.1
1988	39	2436	1565	4040	5397	74.9	0.9	3.1	9.5
1989	450	2548	2837	5835	5395	108.2	1.9	3.3	9.4
1990	483	2730	3914	7127	7735	92.1	2.3	5.3	7.1
1991	653	4135	3800	8588	7232	118.8	4.5	3.5	6.7
1992	567	3944	4692	9203	8494	108.3	2.5	3.8	8.3
1993	989	4376	2595	7960	8494	93.7	2.7	3.2	5.1
1994	935	4157	4192	9284	5550	167.3	2.8	3.7	8.0
1995	875	8273	4443	13594	5322	255.4	3.7	7.4	11.6
1996	379	5186	9235	14800	5550	266.7	1.8	5.8	34.6
1997	134	4349	3963	8446	5322	165.2	1.6	4.2	19.4
1998	323	6340	2602	9265	5737	161.5	1.2	4.5	9.6
1999	69	5975	2207	8251	6437	128.2	0.3	4.7	8.1
2000	127	3159	5748	8599	7837	109.7	0.6	3.3	12.9

NORTHERN PIKE

- The final quota available on commercial fishing licences was 8,992 kg (Table 6-1.1).
- Harvest decreased to 738 kg, 8% of the available quota (Figure 6-1.15).

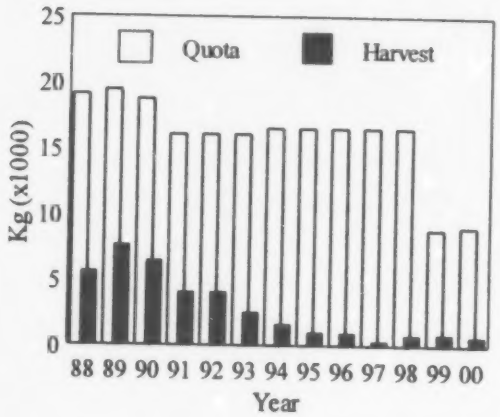


Figure 6-1.15. Northern pike quota and harvest (kg) for management area 6-1.

Table 6-1.11. Northern pike harvest and available quota for management area 6-1.

Year	Harvest (kg)	Quota (kg)	Percent Taken
1983	7658	N/A	N/A
1984	8484	19553	43.4
1985	10302	19553	52.7
1986	10000	19025	52.6
1987	6709	19069	35.2
1988	5630	19069	29.5
1989	7641	19410	39.4
1990	6459	18729	34.5
1991	4068	16036	25.4
1992	4072	16036	25.4
1993	2540	16036	15.8
1994	1689	8579	19.7
1995	1025	8125	12.6
1996	986	8579	11.5
1997	380	8125	4.7
1998	838	8392	9.6
1999	889	8792	10.1
2000	738	8992	8.2

MANAGEMENT AREA 6-3

GENERAL

- Quota issued on commercial fishing licences was 5,776 kg (Table 6-3.1), including a lake trout allowance of 112 kg.
- No commercial harvest of fish was reported in 2000.

Table 6-3.1. Quota, harvest, percent quota taken, catch, and estimated value by species for management area 6-3 in 2000.

Species	Quota (kg)	Harvest (kg)	% Quota Taken	Catch (kg)	Value ($)
Channel Catfish	227	0	0.0	0	0
Chub	0	0	0.0	0	0
Lake Sturgeon	0	0	0.0	0	0
Lake Trout	772	0	0.0	0	0
Lake Whitefish	3,818	0	0.0	0	0
Northern Pike	336	0	0.0	0	0
Walleye	0	0	0.0	0	0
Yellow Perch	623	0	0.0	0	0
Total	5,776	0		0	0

LAKE WHITEFISH

- The quota issued was 3,818 kg.
- There was no reported harvest in 2000

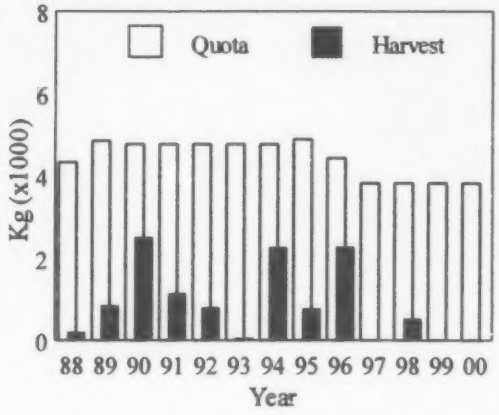


Figure 6-3.1. Lake whitefish quota and harvest (kg) for management area 6-3.

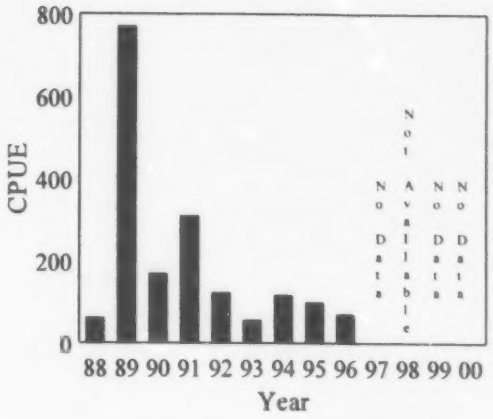


Figure 6-3.2. Lake whitefish gill net CPUE (kg/km) for management area 6-3.

Table 6-3.2. Lake whitefish catch from targeted effort, quota, targeted effort, and CPUE for management area 6-3.

Year	Targeted Catch (kg)	Quota (kg)	Percent Taken	Targeted Effort (km)	CPUE (kg/km)
1983	592	N/A	N/A	54.2	10.6
1984	559	6759	8.3	13.2	39.2
1985	128	6759	1.9	2.8	46.1
1986	274	5910	4.6	6.4	37.5
1987	82	4338	1.9	11.9	6.8
1988	198	4336	4.6	3.2	61.9
1989	849	4855	17.5	1.1	770.9
1990	2507	4774	52.5	14.8	169.1
1991	1146	4774	24.0	3.7	309.7
1992	800	4774	16.8	6.5	123.1
1993	62	4774	1.3	1.1	55.6
1994	2267	4774	47.5	19.4	116.9
1995	765	4774	16.0	7.7	99.4
1996	1527	4432	34.5	21.5	71.0
1997	0	3818	0.0	0.0	--
1998	526	3818	13.8	na	na
1999	0	3818	0.0	0.0	--
2000	0	3818	0.0	0.0	--

LAKE TROUT

- Total quota issued was 660 kg (Figure 6-3.3). A temporary allowance of 112 kg was also available to the commercial fishery. The total allowable harvest was 772 kg.
- There was no harvest reported in 2000.

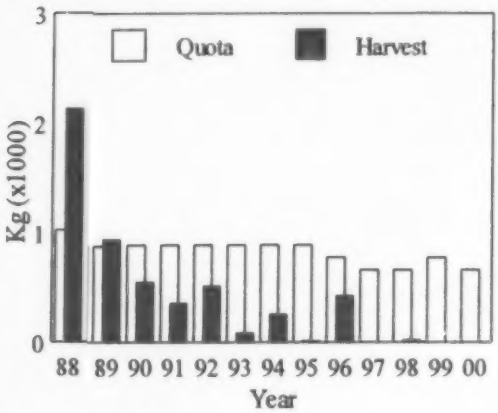


Figure 6-3.3. Lake trout/backcross quota and harvest (kg) for management area 6-3.

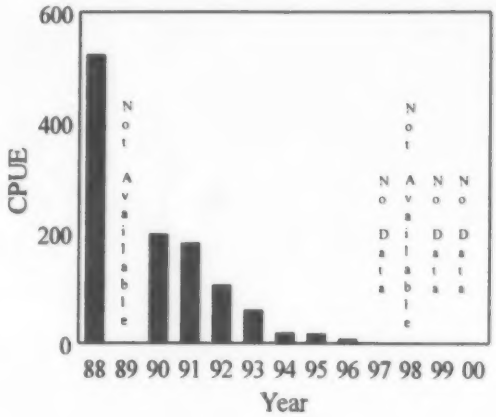


Figure 6-34. Lake trout/backcross gill net CPUE (kg/km) for management area 6-3.

Table 6-3.3. Lake trout/backcross harvest, quota, effort and CPUE for management area 6-3.

Year	Harvest (kg)	Quota (kg)	Percent Taken	CPUE (kg/km)
1983	2041	N/A	N/A	25.7
1984	717	1134	63.2	1.0
1985	487	1134	42.9	150.0
1986	563	1134	49.6	57.1
1987	430	1023	42.0	61.6
1988	2135	1023	208.7	523.0
1989	941	877	107.3	na
1990	553	888	71.4	197.5
1991	362	888	40.8	181.0
1992	517	888	58.2	105.4
1993	89	888	10.0	59.8
1994	259	888	29.2	18.9
1995	19	888	2.1	17.3
1996	181	774	23.4	8.4
1997	0	660	0.0	--
1998	26	660	3.9	na
1999	0	660	0.0	--
2000	0	660	0.0	--

ACKNOWLEDGEMENTS

We thank the commercial fishers that completed catch reports, provided other information, and allowed OMNR staff access to their vessels and catches for the collection of biological data. Without their support, our assessment would be incomplete.

We also wish to recognize the efforts of the Upper Great Lakes Management Unit Conservation Officers who collected and audited Daily Catch Reports, Martha Nicol who audited data and the staff of the Ontario Commercial Fisheries Association (OCFA) for entry of the data. Marilyn McMann ably completed the onerous task of word processing to finish this report. To all, thank you.